



**SAVANNAH RIVER OPERATIONS OFFICE (SR)
NNSA SAVANNAH RIVER SITE OFFICE (SRSO)**

**PERFORMANCE EVALUATION AND
MEASUREMENT PLAN
and
CONTRACT MANAGEMENT/OVERSIGHT PLAN
for
WESTINGHOUSE SAVANNAH RIVER COMPANY LLC
CONTRACT NO. DE-AC09-96SR18500**

**EVALUATION PERIOD:
October 1, 2002, through December 31, 2006**

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Note: The terms and conditions of the paragraphs marked with asterisks (*) cannot be unilaterally changed by the Government. Modification of these sections requires the mutual agreement of the parties.

OVERVIEW

INTRODUCTION

This document addresses the administration of Contract No. DE-AC09-96SR18500, with Westinghouse Savannah River Company (WSRC) and the performance based incentives which became effective October 1, 2000, as modified by the contract changes covered under Modification No. M100 and updated in this Modification No. M120.

This document serves as the Performance Evaluation and Measurement Plan (PEMP) (contemplated by the Contract Clause in Section I entitled, TOTAL AVAILABLE FEE: BASE FEE AMOUNT AND PERFORMANCE FEE AMOUNT) and the DOE Contract Management/Contractor Oversight Plan. Except for Part I, Attachment A, and those items in Part II-B marked with asterisks (*) in the Index, the Government may make unilateral changes in this document. However, any such unilateral changes may entitle the contractor to an equitable adjustment under the terms of the contract.

PURPOSE

The Plan is written to provide a general overview of the contract, identify the specific fee incentives under the contract, and provide information, guidance and processes for management and administration of the contract by the DOE Savannah River Operations Office (DOE-SR) and National Nuclear Security Administration Savannah River Site Office (NNSA-SRSO) staff.

Part I covers roles and responsibilities of the Federal staff, contract management/administration processes and oversight methodology. Attachment A to Part I reflects basic agreements between the contractor and DOE on matters involving administration of the contract. Part II identifies Performance Based Incentives (PBIs) for the NNSA work requirements and the Environmental Management (EM) Clean-Up Incentive. Part III contains the Contract Management/Contractor Oversight Plan.

Under Modification No. M100 and M120, the EM work is restructured to focus on achievement of Target site conditions and Maximum site conditions by the dates set forth in Part II-B of the PEMP, as portions of the EM mission at Savannah River Site come to completion. The EM site requirements are defined through an "end-state" condition at the end of the contract term. That end-state has been defined in terms of:

- Target requirements that represent the expected end-state. A substantial portion of this work would be under funded if site operational costs are not reduced. Accordingly, it is expected the contractor will implement cost reductions and operational efficiencies. The Target requirement includes deactivation of the F Canyon Complex.
- Maximum objectives represent the Government's desired end state at conclusion of this contract. Achievement of these objectives is substantial and provides tremendous programmatic and financial benefits to the Government. It is recognized that achievement of the Maximum site requirements are only a

theoretical possibility and that failure to achieve the maximum site condition/schedule will not result in any adverse past performance determinations.

The NNSA work is long term in nature and continues to employ the use of PBIs as the fee payment mechanism. The NNSA PBIs represent the primary missions for NNSA SRSO and the work that is most important to be performed.

It is recognized that performance of all the work required under this contract is not limited to specific measures contained in either the EM Clean-Up incentive or PBIs, but nonetheless is required by the contract and must be performed at an acceptable level. The non-incentivized work remains an important aspect of site operations and as such, the Government will not accept Less Than Acceptable work (see Glossary) nor pay the contractor fee for performance below the acceptable level (see Section E, Inspection of Services – Cost Reimbursement).

CONTRACT SUMMARY

The general management goals and objectives for the Savannah River Site (SRS) are outlined in the SRS Strategic Plan, required by the Government Performance and Requirements Act (GPRA), and the EM Performance Management Plan (PMP). The SRS Strategic Plan addresses goals and objectives for the missions of the Site, including those of NNSA. The EM PMP addresses the Accelerated Clean-Up objectives. Performance expectations of this contract are generally defined in the SRS Strategic Plan, the EM PMP, Section C of the contract, Part II-B of the PEMP, and NNSA requirements specifically defined in Work Authorization/Execution Plan (WA/EP), a successor document to the current Work Authorization and Performance Baseline [WAPB]. These documents, and superseding versions thereto, are an integral part of or are incorporated by reference into this contract. The EM Clean-Up incentive is defined in Part II-B of the PEMP. The EM Clean-Up costs and work will be incorporated into the WA/EP for accounting and management purposes, but the EM Contract Performance Baseline is not incorporated into or an integral part of the contract. The Contractor shall safely and cost-effectively implement the management objectives and performance requirements.

The basic Contract term was initially from October 1, 1996 through September 30, 2001. The term was extended through September 30, 2006 by Modification No. M068 and the performance based incentives restructured beginning October 1, 2000. Modification No. M100 provided an option which would allow DOE to extend the contract from September 30, 2006 to November 30, 2006.

The estimated cost of the contract and total available fee are set forth in the Contract in Section B. Part II of this Plan contains the EM incentive fee structure and the NNSA Performance Based Incentives (PBIs) which are applicable to the contract.

The estimated cost and fee are subject to equitable adjustments because of changed requirements or other Contract modifications.

The fee earned and payable will be determined by the SR Manager in consultation, as appropriate, with the NNSA SRSO Manager Senior Official assigned to the Savannah River Area Office for NNSA Operations, except as noted in Part I, Section A.2. below. The final fee determinations will be based upon the contractor's performance in relation to the EM incentives, the NNSA PBIs and the other requirements of the contract.

**PERFORMANCE EVALUATION AND
MEASUREMENT PLAN
PART I OF III**

**A. ORGANIZATIONAL STRUCTURE, ROLES AND RESPONSIBILITIES OF
FEDERAL PERSONNEL FOR CONTRACT MANAGEMENT AND
OVERSIGHT**

The following organizational structure is established for administering and overseeing the requirements and provisions of the Contract.

1. Head of the Contracting Activity (HCA)

- a. The HCA for the EM site program is the Manager, SR.
- b. Primary HCA responsibilities are:
 - (1) Determining the fee payable to the contractor, except as noted in paragraph 2 below.
 - (2) Changing the matters covered in this Plan as addressed in Section D.
 - (3) Performance Review Board (PRB): Meet as required with the Deputy Managers, Assistant Managers/Office Directors, Chief Financial Officer and Senior NNSA Site Officials to formally discuss the Contractor's overall performance against the performance standards/expectations outlined in the Statement of Work, WA/EP, EM incentives and NNSA PBIs.

2. NNSA Contracting Officer

The NNSA-SRSO Manager is an NNSA Administrative Contracting Officer and may on behalf of NNSA execute any contractual action authorized under the terms of the contract which is exclusive to the NNSA mission and does not impact the EM mission under the terms of this contract. It is contemplated that day-to-day contract actions will be managed by DOE-SR and there will be full coordination between SR and NNSA on actions involving the overall contract. The NNSA-SRSO Manager will serve as the contracting officer for all NNSA PBIs.

3. SR Contracting Officers are responsible for:

- a. Assisting the SR Manager in management and oversight of all aspects of the Contract.
- b. Administering the contract and effecting those actions requiring a Contracting Officer signature as may be required and within the delegated limits of their Certificates of Appointment.
- c. Approving incentive payments.

- d. Maintaining with the assistance of the Fee Administrator the HCA's records of the Contractor's performance identified in this Plan.
- e. Obtaining HQ Business Clearance approvals on new incentives and significant changes to previously approved incentives

4. Contracting Officer Representatives (COR)

Certain DOE-SR and NNSA personnel have been officially appointed as CORs under the Contract Clause in Section I entitled, Technical Direction. A copy of each individual's appointment letter, including the authorities and limitations of authority, has been provided to the contractor. The text of the appointment letter is included in Part III of this document for information and reference.

5. SR Deputy Manager/Assistant Managers/NNSA-SRSO Staff

Primary responsibilities for technical oversight and administration of the contract rests with the CORs, supported by the DOE-SR and NNSA-SRSO staff. These duties include:

- a. Continuously monitoring the Contractor's performance against the performance requirements and expectations defined in the contract and the incentives. If any aspect of performance is considered Less Than Acceptable, a written notice to the contractor signed by an officially appointed Contracting Officers Representative (COR) is to be provided to the contractor requesting a response and/or corrective action, as appropriate.
- b. Meet monthly with the Contractor's senior management personnel to discuss the status of the contractor's performance from an overall perspective, as well as to discuss the progress being made on incentives under their cognizance (as defined in SR Manual 300.1.1A, Chapter 1, SR Functions, Responsibilities and Authorities Procedure) which is incorporated into the contract by reference.

6. DOE-SR and NNSA Staff Members

SR Manual 300.1.1A, Chapter 1, SR Functions, Responsibilities and Authorities Procedure delegates certain authorities to individuals assigned to certain DOE-SR and NNSA positions to approve or disapprove certain actions by the contractor under the terms of the contract. The delegated officials are authorized to act within the stated limits of the delegation. Actions taken by these individuals under these delegations do not constitute performance/technical direction as that term is defined in the Contract Clause in Section I entitled, Technical Direction. The delegations provide the individuals the authority to exercise discretion as to whether or not to approve requests submitted by the contractor on matters under their cognizance. If at any time the contractor believes any such action constitutes Technical Direction, the contractor is required to elevate the issue to a duly appointed COR.

7. Contractor Key Personnel: Contractor Key Personnel are identified in Section J, Appendix D to the contract.

B. NNSA INCENTIVES AND UNDERSTANDINGS

The NNSA WA/EP identifies the major work activities but is not an all inclusive, detailed list of work. For planning purposes only, the NNSA WA/EP also describes the associated scope, schedule and estimated cost over a six year, rolling window. For contractor accounting purposes only, the WA/EP includes contractor targets to reduce cost of work to enable more scope accomplishment and support NNSA mission goals, including that defined under super-stretch PBIs. The execution year of the WA/EP is approved by program counterparts and is under formal change control. As specific cost reduction initiatives are implemented, activity cost estimate reduction and associated saving target adjustments are documented through change control.

C. EM CLEAN-UP INCENTIVE

The EM incentive is patterned after a cost-plus-incentive-fee (CPIF) contract arrangement. However, unlike a CPIF structure in which cost and schedule are variables for completion of the performance requirements, in the EM incentive cost and schedule are fixed and the variable is the amount of work that can be completed within the contract term.

The EM Clean-Up incentive is a consolidated incentive under which progress will be gauged via a project management, earned value measurement system. The specifics of the incentive are identified in Section II, Part B of this Plan. The contractor will be measured against achievement of the Target site requirement but can earn additional fee as work progresses towards completion of the maximum site case identified in the incentive. The final fee will be based upon overall progress towards meeting or exceeding the Target site condition, including not meeting some Target conditions and exceeding others as provided for in Part II-B of the PEMP.

Payment under the EM incentive will be made as progress is made towards completion of the Target site condition. Whereas individual sub-projects will be developed, and progress validated on these sub-projects by the Government, the overall EM Clean-Up project progress will be the general basis for fee payment purposes. Failure to meet minimum performance requirements established in Part II-B of the PEMP may be a basis for invoking the Conditional Payment of Fee clause in Section I of the contract on the EM Clean-Up Incentive and may result in a final fee reduction in accordance with the contract terms. Further, certain work has been identified as "Threshold work" which must be completed at the Target site condition level in order for the contractor to earn any final fee over the Target fee level. If the contractor's progress on the overall project varies from schedule, then an adjustment to the fee payment may be made, either up or down, depending upon whether the contractor is behind or ahead of schedule.

PART I

ATTACHMENT A – Mutual Understandings

1. BASIC UNDERSTANDINGS

This contract is based upon Part 970 of the Department of Energy Acquisition Regulations (DEAR) and the amount of fee available for the EM and NNSA incentives is subject to the DEAR.

- a. The EM Clean-Up incentive implements a project management approach to the closure/clean-up of various EM facilities at the Savannah River Site. The project control systems and reporting requirements are those established under Part II-B of the PEMP. Payments under the EM incentive will be as established in that incentive in Part II-B of this PEMP.
- b. The NNSA incentives employ the use of Performance Based Incentives (PBIs). Traditionally, PBIs have been limited to work that could be completed in the current fiscal year and fee has been assigned to the PBIs from an annual fee pool. This is inefficient for important work that cannot be defined or completed in one year. Under this contract, multi-year PBIs will be employed. Multi-year PBIs shall be used for major work efforts/projects that are expected to span several years. There will also be **annual PBIs**. Annual PBIs shall be used when the work is to be completed in the current fiscal year or is of a repetitive nature with the specific requirements established annually.

A group of annual and multi-year PBIs were initially agreed to between the parties. With the issuance of Modification No. M100 to the contract, the initial \$345 million total fee pool was replaced with an EM incentive with its own fee structure and a set of NNSA PBIs with assigned fees. The remainder of the unallocated fee pool, \$5,084,571, has been transferred for exclusive use by NNSA to incentivize any other work it determines appropriate. The unallocated fee will be placed on PBIs prior to the end of the contract. PBI initiatives have been updated in Modification No. M120.

The PBIs utilized under this contract are categorized as either Base PBIs, Stretch PBIs, or Superstretch PBIs. Base, Stretch, and Superstretch PBIs may be completed on an annual basis or a multi-year basis.

A **Base PBI** is a performance or cost incentive that is associated with the work to be performed under the scope of this contract and which is believed by the parties to be within available funding.

A **Stretch PBI** is an incentive to motivate the contractor to accelerate contractual work, achieve cost efficiencies, and to perform more work than expected under the current SRS planning case with available funding as reflected in the Work

Authorization and Performance Baseline. The cost efficiencies achieved are normally within the range of the original estimate (budget) for the work or achievable through efficiencies in the performance of such work. Any fee associated with the acceleration of such work is part of the basic Total Available Fee Pool. By designation as a Stretch PBI, the contractor is authorized to initiate activity at its discretion at the time the incentive is created. The Contractor does not need to obtain approval from the Change Control Board prior to beginning work on a Stretch PBI.

A **Superstretch PBI** is an incentive to motivate the contractor to significantly accelerate and accomplish more work than that incentivized by "Stretch" incentives. When the work is identified and authorized, it will be tied to an appropriate fee that is entirely funded from the savings to be realized from the contractor's achieved cost efficiencies in the performance of the funded work, or may include privatization type activities or other initiatives requiring minimal funding. The authorization to perform "Superstretch" work is controlled by a Change Control Board to ensure that critical work is performed utilizing fund savings and resources prior to undertaking the Superstretch PBIs. Fee associated with a Superstretch PBI is not included in the total available fee pool and is additive to it. Because the work and fee is entirely funded by Contractor identified savings, the fee amount established for a Superstretch PBI is generally higher than for a Base or Stretch PBI, generally in the 13% - 20 % of the estimated cost of the Superstretch work. (The Special Contract Clause entitled, **PERFORMANCE BASED INCENTIVES AND SUPERSTRETCH PERFORMANCE BASED INCENTIVES**, addresses how fees are adjusted if the Government provides a portion of the funds for a Superstretch PBI).

- c. If a PBI is cancelled or modified, any unpaid funds will be returned to the unallocated fee pool for later usage by NNSA, as appropriate. Fee that is not earned due to nonconformance(s) with contract requirements is forfeited and will not be returned to the unallocated fee pool nor will it be considered earnable under the EM incentive. Should any incentive be modified due to circumstances beyond the reasonable control of the contractor, an equitable adjustment in the fee will be made. If any incentive is cancelled for reasons beyond the reasonable control of the contractor, the associated fee will be equitably adjusted to compensate the contractor for the efforts performed.
- d. The Conditional Payment of Fee clause applies to both the EM and NNSA incentives and provides for fee reductions up to stated limits.
- e. The EM Minimum Performance Requirements are the requirements set forth in paragraphs c(1)(i) of the clause in Section I of the contract entitled, Conditional Payment of Fee. Less than acceptable performance referenced in subparagraph c(1)(ii) shall be addressed under the Section E clause entitled, Inspection of Services – Cost Reimbursement.

- f. The term evaluation period for purposes of this clause means every six month period commencing with the start of a fiscal year. Within an evaluation period there is no limitation on fee reductions for ES&H performance or for catastrophic events.
- g. Fee has been allocated to both EM and NNSA work. The Conditional Payment of Fee and Inspection of Services – Cost Reimbursement clauses apply separately to the fee for the two programs unless the HCA and NNSA_SRSO Manager determine that performance in one program directly impacted performance in the other program or that a systemic problem exists which cross-cuts both programs. In that event, the Conditional Payment of Fee clause will apply to the total available fee in that evaluation period as defined in the clause.
- h. The Contractor shall provide services necessary for the operation and maintenance of the D-Area powerhouse and associated support systems, including all activities necessary to support the operations of the 484-D facility. Such activities include the procurement of necessary materials and supplies for the continuous production of steam and electricity from the powerhouse, as well as operation and maintenance of associated support systems and facilities, including the coal yard, ash basins, 681-5G pumphouse, the inter-area steam transfer and the 13.8KV transmission lines. *(Modification M145 to Contract Number DE-AC09-96SR18500)*

2. GENERAL PERFORMANCE REQUIREMENTS

- a. Under this contract, the principle of compliance with ES&H requirements is a precondition of operations and to the earning of fee under the contract.
- b. All work under the contract must be performed at an acceptable level in order to conform to the contract requirements. Acceptable performance under PBIs includes performing all assigned work within any specifically established cost baselines, within established schedules and in accordance with all applicable standards, practices and requirements. For all incentives, in the absence of a specific definition of expected performance, the level of performance required will be that which would satisfy a reasonable person in this industry. The determination of acceptability would include consideration of such things as: what is customarily expected for the work in question within the particular technical/service industry; standard industrial practices; requirements of laws, regulations and directives; Uniform Commercial Code standards; what is reasonable and logical; etc. Less Than Acceptable performance (see Glossary) for any other required contract work may result in the contractor not earning some or all of the fee assigned to incentives. The amount of any fee reduction(s) will depend upon the nature and extent of the failure, the specific terms of the incentive and the terms and conditions of the basic contract. Work performed at Less Than Acceptable levels which cannot be corrected by re-performance is considered non-conforming work and will be addressed under the Inspection of Services clause in Section E of the contract. Once acceptance and final fee payment under an incentive occurs, that fee is not subject to adjustment under the

Inspection of Services clause, except as otherwise provided for by law or regulation. The fee remains subject to the Conditional Payment of Fee clause during the applicable evaluation period.

- c. It is expected the contractor will establish and enforce management systems. The Contractor is responsible for the conduct of its operations and all of its employees in the operation of this site. Fee reductions shall not occur if the contractor stops an activity that it deems unsafe; unless, the alleged unsafe condition arose as a result of the contractor's actions.
- d. It is understood by the parties that performance of Superstretch PBIs and the earning of related superstretch fee is secondary to performance of the basic contract requirements, including the Base and Stretch PBIs. Less than acceptable performance on a Base or Stretch PBI or Less Than Acceptable performance on basic contract work could result in DOE suspending or stopping work on a Superstretch PBI(s) to restore performance to acceptable levels. If the Superstretch PBI work is suspended in its entirety to correct performance deficiencies, no fee would be paid unless and until performance is completed as provided for in the basic contract or other PBI. If the Superstretch PBI is modified in scope, an equitable adjustment will be made. At the end of the contract term, unless a Superstretch PBI has been otherwise modified, fee will not be paid for any unfinished work under Superstretch PBIs; however, the contractor will retain any incremental or final fee payments previously made under Superstretch PBIs.
- e. As contemplated by Part II paragraph A.1.c, Modification of PBIs, during the term of the contract PBIs may be modified or deleted when changes occur outside of the control of the contractor or when change or deletion is determined to be in the best interests of the Government. In the event a Base or Stretch PBI is modified or deleted, there is no prohibition against the work subsequently being included in a Superstretch PBI, subject to approval in accordance with the contract terms.

GLOSSARY

FEE ADMINISTRATOR – A DOE-SR individual within the Contract Management Division who maintains the official files regarding PBIs, fees and fee payments. The Administrator processes Baseline Change Proposals and all fee payments requiring approval of the Contracting Officer/HCA.

FEE PAYMENTS – Fee payments may be made using the following methods:

FINAL PAYMENT – A payment of fee made for completion of an incentive.

INCREMENTAL PAYMENT – A payment of fee made for partial completion of an incentive based on progress or a milestone that is determined to have lasting, intrinsic value.

PROVISIONAL PAYMENT – A payment of fee made for completion of a milestone/event in an incentive which demonstrates progress toward full completion of the incentive. Provisional payments must be repaid in whole or in part, as determined by the Contracting Officer, if the incentive is not successfully completed.

LESS THAN ACCEPTABLE PERFORMANCE - Less than acceptable performance shall be considered to exist when: (1) defects exist in a service/product provided and the defects are of such a magnitude to materially affect the form, fit, function, value or usefulness of the service/product; or (2) significant events/defects or adverse trends indicate fundamental and serious programmatic deficiencies exist in the Contractor's management and/or systems.

PERFORMANCE BASED INCENTIVE (PBI) - A clear, objective goal that accurately describes and/or defines a task, or event which is a high priority for the site which can be objectively measured. The PBI criteria should be based upon the achievement of cost savings, efficiencies, program achievements, advancements of a major goal and/or event, meeting critical schedule requirements, or be a HQ critical emphasis area. Completion should be entirely within the control of the contractor.

PERFORMANCE OBJECTIVE - A category of performance which will be evaluated under a Performance Area. Normally it encompasses the performance of a total function or program.

PRACTICES - Activities that are consistent with commercial nuclear industry standards, generally accepted business practices, DOE directives, and/or Federal regulations and requirements.

SPECIAL PERFORMANCE AREA (SPA) - SPAs are a subset of a PBI. With SPAs, although clear goals that accurately describe and/or define a task, or event which is a high priority for the site can be established, the work must be evaluated subjectively, as opposed to objectively, due to the nature of the work involved. Completion should be entirely within the control of the contractor.

TOTAL AVAILABLE FEE –The maximum fee payable under the contract for performance of base, stretch, superstretch performance based incentives and the EM Clean-Up Incentive under this contract.

TOTAL FEE POOL OR TOTAL AVAILABLE FEE POOL – The fee pool established under the initial contract or a subsequent modification. For the period October 1, 2000 through the effective date of Modification M100, the reference means the fee pool of \$345 M.

**PERFORMANCE EVALUATION AND
MEASUREMENT PLAN
PART II OF III**

SECTION A - NNSA PERFORMANCE BASED INCENTIVES (PBIs)

**1. PERFORMANCE BASED INCENTIVE (PBI) (INCLUDING SPA) POLICY AND
PROCEDURES FOR NNSA INCENTIVES**

a. Development of New PBIs and SPAs

As a result of the use of multi-year PBIs with the award of Modification No. M068, a need no longer exists to have a formal, annual PBI development process. The PBIs in existence cover the term of the contract. However, there is a need to continually review the existing multi-year PBIs to ensure the conditions under which they were negotiated remain valid and the work required is consistent with mission requirements and site funding. In addition, the expectations of the new contract provide opportunities for the development of new/additional PBIs throughout the year. Any required changes to existing PBIs will be processed in accordance with paragraph 3 below.

When the need for a new PBI becomes known during the fiscal year, the cognizant NNSA official will provide a copy of the proposed PBI to the DOE-SR Fee Administrator. The NNSA Official will provide the Fee Administrator a brief but succinct description of work, the goal/objective of the proposed PBI and a proposed fee amount or scale. The NNSA Official will discuss the proposed PBI with the cognizant DOE NNSA Headquarters Program Manager(s) and subsequently with the cognizant contractor Official. A PBI Agreement will then be developed for the proposed PBI. See paragraph A.2 for sample form and guidance, including format for the PBI Justification form required with each PBI.

The NNSA Official and the contractor counterpart will sign each proposed PBI Agreement. The original copy of the proposed PBI and PBI Justification shall be sent to the Fee Administrator along with a Staff Summary Sheet which addresses the following:

1. Describe the purpose of the PBI.
2. Address the amount of funds involved.
3. Identify who in HQ was consulted on the PBI and address HQ comments.

Contracts Management Division will forward a copy of the proposed PBI to DOE-HQ Office of Management Systems (MA-52) and NA-64. Any comments from HQ will be forwarded to the cognizant line organization for resolution.

Once any HQ comments are resolved/addressed, the Fee Administrator will prepare a revision to Part II of the PEMP identifying the new PBI and a transmittal letter to the contractor officially transmitting the approved PBI. The

complete PBI proposal package and PEMP revision will be routed through the Contracts Management Division Director to the NNSA-SRSO Manager for approval/signature. Once approved/disapproved, the PBI will be returned to the SR Fee Administrator for distribution.

If the PBI is disapproved at any level, the proposed PBI with an explanation should be forwarded to the Fee Administrator for review by the NNSA-SRSO Manager and for filing.

A PBI is not officially approved, nor can fee be earned under a PBI, until the PBI has been formally transmitted to the contractor by the NNSA-SRSO.

b. **DOE Validation and Payment of Completed PBIs**

The contractor may request payment for a PBI by submitting a "Request for Payment Invoice through the automated PBI Payment System.

DOE-SR will attempt to validate the completion of PBIs within ten workdays after receipt of the form from the contractor.

- (1) After the contractor completes the requirements of a PBI, the contractor will prepare an automated "Request/Authorization for WSRC Incentive Fee" form to include paragraph A.4 Validation of Performance Based Incentive and paragraph A.5 Request/Authorization for WSRC Incentive Fee. The contractor shall submit these documents electronically to the cognizant NNSA Point of Contact with a copy to the Fee Administrator and the DOE-SR Chief Financial Officer. The NNSA Division Point of Contact electronically assigns an NNSA Technical Representative (TR) and the invoice is automatically forwarded to the TR for validation.
- (2) The NNSA TR will electronically sign the form after validating completion or the extent that the PBI has been completed. The basis for the validation shall be documented utilizing the process in Section A.4. This validation basis should include documentation supporting the extent of PBI completion and/or a closed work authorization document, or any official documentation evidencing completion of the incentive requirements. See Section A.4 for additional guidance. The Requests for Payment invoice along with the documents discussed in Section A.4 and A.5 and any supporting documentation are then electronically forwarded to the NNSA Official for electronic signature.

NOTE: Validations shall not include any classified information or UCN. References to the applicable documents shall suffice. Technical reviewers shall ensure the referenced documents are available to support later audit.

- (3) The form and its supporting documentation will then be electronically forwarded to the DOE-SR Contracting Officer for electronic signature. Any partial or total disapproval of payment on a PBI, other than an administrative rejection of a PBI request payment, shall be referred to the

NNSA-SRSO Manager for signature. Additionally, any payment not specifically provided for in the PBI shall also be referred to the NNSA-SRSO Manager for signature approval/disapproval. The Fee Administrator will prepare the package for distribution and filing.

- (4) The DOE Fee Administrator will file the original printed copy of the electronic invoice and distribute copies of the invoice (signed by the CO or the HCA) to the contractor Fee Coordinator, the NNSA Technical Reviewer, and the DOE-SR CFO.

c. Modification of PBIs

Modification to a PBI is defined to include, but not be limited to: date extensions, quantity/quality changes, work scope replacement, any requirements changes, baseline changes, cancellation in total or in part, etc. Requirements should not be relaxed unless changes are clearly outside the control of the contractor, or if such relaxation is determined to be in the interest of the government. Baseline Change Proposal (BCP) procedures normally used to change the WA/EP shall be followed to change PBIs, subject to the following additional requirements:

PBI changes will follow the same process as for new PBIs as described in paragraph A.1.a above. The DOE Staff Summary Sheet to accompany PBI changes submitted for formal approval shall provide the following information:

- (1) Describe the nature of the proposed change.
- (2) Address the amount of funds involved.
- (3) Based on the rationale for the proposed change, make recommendation to the **NNSA-SRSO Manager** on disposition of funds. Disposition options include: partial payment of fee to the Contractor for work expended; renegotiating another PBI; or withdrawing funds from availability for that PBI and returning the unused fee to the unallocated fee pool. The justification for the change and disposition of the dollars involved should be in sufficient detail to ensure that an outside reviewer can understand the rationale for the disposition action being proposed.
- (4) Identify who in HQ was consulted on the PBI and address HQ comments.

If the change is disapproved at any level, the proposed PBI change with an explanation should be forwarded to the Fee Administrator for review by the NNSA-SRSO Manager and for filing.

d. Disagreements

Any disagreements regarding PBIs shall be referred to the NNSA-SRSO Manager for final resolution. The final decision regarding any PBI disagreement will be made by the NNSA-SRSO Manager. Any final decision issued is subject to dispute in accordance with the Disputes clause of the contract.

2. FORMAT FOR PERFORMANCE BASED INCENTIVE (PBI) AGREEMENTS

Title:

DOE-SR Manager: (NNSA Official)

WSRC Manager:

HQ point-of-contact:

DOE-SR Technical point-of-contact:

WBS(s):

Fee for Superstretch Performance: \$(Optional)

Fee for Stretch Performance: \$

Fee for Base Performance:

[A progressive variable fee up to a maximum of: \$ (This may consist of a fee for unacceptable performance, a fee for expected performance, and a variable fee for deliverable units that increases as higher levels are achieved or a negative fee schedule for low levels of production, with progressively higher positive fee levels as deliverable quantities increase.)]

Description of work: Describe the scope of work expected in detail, specified quantities, specifications of output, quality requirements, a list of deliverables, a range of expected output, specific expectations, etc. Avoid subjective criteria that are difficult to measure. Include identification of any Government furnished supplies or services, inclusion or by reference inclusion of shipping schedules or other salient requirements.

Minimum Level of Performance: The description of minimum level of performance level identifies the lowest level of performance acceptable under a PBI. Performance below this stated level of performance may result in the HCA invoking the provisions of the Conditional Payment of Fee clause in the contract.

Completion date: Specify a completion date. If a long-term effort is involved to accomplish the incentivized task, then the completion date can be extend into the next fiscal years

Goal/Objective: This should describe and justify the benefits to the government that will happen as a result of the PBI being accomplished. Describe any expected cost savings, efficiencies, progress on advancement or achievement of a major goal, critical schedule requirements, HQ critical emphasis area, mitigation of risk, etc. The goal should clearly state the benefits to the site or taxpayers for the increased level of performance.

Basis for Fee: Discuss the fee amount in relation to the cost of the work to be performed and the relative importance of the desired outcome. Support for the fee should contain both quantitative and qualitative information.

Definitions: Definitions may be needed to clarify the meaning of certain terms. Terms that may be defined include, but are not limited to: Low Level Waste; Critical Decision II; and, any other terms or acronyms that can be interpreted as having a different meaning. Show the relationship to the achievement of a Strategic Plan or Accelerating Cleanup Paths to Closure Plan (ACP) goal, or explain why there is no correlation to a Plan and that the PBI is valid and necessary anyway. Discuss background information, technical baselines, firmly established cost/schedule, etc.

Basis for measurement: List specific requirements of a successful completion. This should be an objective performance criteria focused on results, not process, which has enough detail and clarity to avoid differing interpretation by DOE-SR and the contractor. For cost savings/reductions specify the report that will be used for validation of completion by DOE-SR. Please note any excluded/added other data or costs in this section. Explain the specific components of any applicable formulas or algorithms. Describe acceptance and approval process/method of validating achievement. The completion documentation will serve as proof that the government received some service/product for this expenditure of funds, and you are supplying and signing the receiving report. Examples are a major system output like IBARS or the Data Warehouse, an output from a specific process or procedure, a production report, visual inspection, a picture, etc.

The Fee schedule can be tailored a variety of ways. One method would be to specify an amount for each specific level of achievement, or specific amounts can be set at one level of achievement and levels above and below can be based on an algorithm. For example, a hypothetical of a fee schedule would be- if the contractor earns 20 percent of all savings above \$500,000, 15 percent of all savings up to \$500,000, \$100,000 in fee for operating at the expected budgeted level, and fee will be reduced from the \$100,000 by 30 percent for expenditures over budgeted estimates. A negative fee may be important to define a level that is unacceptable for operations. The unacceptable level could be based on an algorithm also.

Superior Performance Level: Describe the commitments or expectations that must be met. Elaborate on the objective measurements or requirements that should be achieved. As a customer, specify exactly what represents achievement of this level of performance.

Expected Performance Level: Describe the commitments or expectations that must be met. Elaborate on the objective measurements or requirements that should be achieved. As a customer, specify exactly what represents achievement of this level of performance. **Variable Performance Level:** Use this heading in place of the preceding performance levels when a formula or an algorithm will be used to compute the fee earned. This level is primarily used for production or work that can be measured incrementally. Please be cautious to make sure that the graded approach you want to use is clearly understandable and reflects adequate fee for stretch goals.

Payment Schedule: Identify the payment schedule for the PBI and the type of payments to be made (e.g., provisional, progress, final) and the basis of the payment (e.g., per canister completed, per assembly, earned value, etc.).

Printed Name
NNSA Official

Printed Name
WSRC Official

3. PBI/SPA JUSTIFICATION FORMAT

I. PBI No. and Title

Reference to any existing Site or Project/Program Plans:

II. Identification if work requirement is Base (expected performance), or a Stretch or Superstretch goal.

Definitions: Base: Represents expected level of performance within programmed funding levels.

Stretch: Represents accelerated performance or performance within budget or an unfunded requirement which the contractor is authorized to pursue.

Superstretch: Represents a current year unfunded requirement or constitutes acceleration of an unfunded out year requirement; however, the contractor must obtain approval via a Baseline Change Proposal prior to pursuit of the work/fee.

III. Identify if there are interface requirements with an off-site entity and identification of the entity (DOE site/DOE contractor/agency outside DOE)

IV. Identify if there are any technology needs and if there are any known common needs with other DOE sites (and if so, which one(s)).

V. Identify program budget as percentage of SR budget.

VI. Address confidence in baseline costs and basis for that confidence, i.e., length of experience with work and costs, validation of baseline by independent review (identify who and when), etc.

VII. Identify:

- A. Proposed fee amount, and
- B. Fee amount as a percentage of the program budget.

VIII. Explain basis for fee amount in terms of complexity of work and importance of the work to the program. Explain what risks are involved and the value of the work in terms of return on investment (if applicable), mortgage reduction, etc.

4. VALIDATION OF PERFORMANCE BASED INCENTIVES

PBI description: Example - Turnover modified tritium loading line 6 to operations by 6/15/98 to earn \$500,000.

Key: Y = Yes, N = No, P = Partially, or N/A = not applicable

If the answer to any of the following questions is Y, N, or P please explain and attach documentation or support.

- ___ 1. Is the performed work/achievement as originally described in the Performance Evaluation Measurement Plan? Explain any extenuating circumstances. Describe and attach pertinent documentation as necessary.
- ___ 2. If applicable, was a change order prepared and signed?
- ___ 3. Was the PBI completed within budget? Explain as necessary. Identify if a separate cost baseline exists for the PBI or if the PBI is incorporated within a larger program baseline.
- ___ 4. Did the PBI produce savings this year or in future years?
- ___ 5. Did WSRC meet the intent of the PBI? Explain if necessary.

Describe the method used to validate WSRC's completion of the PBI.

If the PBI completion date, quantity of output, or stretch goal is significantly surpassed, explain how and include any innovation or efficiencies applied by WSRC.

I recommend **approval** / **disapproval** (circle one) and have provided supporting documentation for my recommendation.

Technical Reviewer's (Signature)

Phone Number

Technical Reviewer's (Printed Name)

Date

Attach this document and supporting documentation to the "Request/Authorization for WSRC Incentive Fee" and return to the Fee Administrator.

5. REQUEST /AUTHORIZATION FOR WSRC INCENTIVE FEE

WSRC Official

NNSA Official

PBI Number and Title:

Date of this request:

(Describe GOAL (PBI) that was achieved, the amount of fee earned, and the actual completion date or other information pertinent to the completed work.)

(Attach information that would be helpful in validating the completion of the specified work.)

I verify that this PBI has been completed within the scope of the above goal.

(Signature)

Technical Reviewer (Printed Name)

DATE

(Signature)

Printed Name

NNSA Official title

DATE

I verify that this PBI has been completed within any applicable cost considerations established for the PBI.

(Signature)

Printed Name

Chief Financial Officer/Representative

DATE

Payment is approved on this PBI.

(Signature)

Printed Name

Contracting Officer

DATE

NNSA PERFORMANCE BASED INCENTIVES

PBI NO.	TITLE	BASE STRETCH S-STRETCH	FY01-06 B/S ALLOC. FEE	REVISION
NMFS-2	COMPLETE DNFSB 94-1/2000-1 IMPLEMENTATION PLAN & HEU DISPOSITION PLAN COMMITMENTS RELATIVE TO HEU PROJECT	\$10,165,000	\$10,165,000	Part D, Rev 1, increase Kgs of solution to be shipped and revises payment rate.
		\$0		
		\$0		
TRIT-1	RESERVOIR LOADING AND SHIPPING	\$10,800,000	\$10,800,000	
		\$0		
		\$0		
TRIT-2	RESERVOIR SURVEILLANCE AND TESTING	\$3,750,000	\$6,113,333	PBI canceled. \$3,886,667 returned to unallocated Fee Pool.
		\$2,363,333		
		\$0		
TRIT-3	COMPLETE THE TRITIUM FACILITY MODERNIZATION AND CONSOLIDATION	\$2,900,000	\$2,900,000	PBI includes additional payment of 20% for TEC under run.
		\$0		
		\$0		
TRIT-4	COMPLETE THE TRITIUM EXTRACTION FACILITY	\$14,990,000	\$14,990,000	Rev. 1 Incorporates \$14M PBI on behalf of NNSA. Additional \$16 M available for underrun of TPC.
		\$0		
		\$0		
TRIT-5	200 VISION	\$750,000	\$1,200,000	Additional \$10M available for reducing of operating costs in FY06.
		\$450,000		
		\$0		
TRIT-6	RESERVOIR SURVEILLANCE AND TESTING	\$2,160,000	\$2,700,000	Replaces TRIT-2.
		\$540,000		
		\$0		

NNP01	Complete Integrated Site Preparation Activities	\$2,500,000	\$2,500,000	New
		\$0		
		\$0		
PBI FEE ALLOCATED (BASE/STRETCH)			\$51,368,333	
ALLOCATED S-STRETCH			\$0	
	AVAILABLE FEE POOL		\$52,274,071	
	AVAILABLE FEE POOL w/ S-STRETCH		\$52,274,071	
	UNALLOCATED FEE POOL		\$905,738	

ELECTRONIC EMBEDDED OBJECT FILES – DOUBLE CLICK ON ICON TO VIEW

TRIT-1

Acrobat Document

TRIT-2

Acrobat Document



TRIT-3

Acrobat Document

TRIT-4

Acrobat Document

TRIT-5



TRIT-6



NMFS-2

Acrobat Document

NNP01



NOTE: The text of the PBIs are attached but not included as number pages in this document. Part II of III begins on page 24.

FY01-06 TRIT-1

Reservoir Loading and Shipping

DOE SR Manager: W. A. Richardson
DOE HQ Point Of Contact: P. Pizzarello, DP-24

WSRC Manager: C. G. Spencer
SR Technical POC: W. B. Wilson

Fee: \$10,800,000

Description of Work: The work covered by this PBI is to accomplish the Directed Stockpile Work mission to provide loaded reservoirs in support of the nuclear weapons stockpile, meeting all monthly directive commitments for delivery of Limited Life Components to the Department of Defense. Performance is dependent on accomplishment of supporting activities which include unloading and recycling of tritium; reclamation of reservoirs; finishing and quality inspections; and packaging in certified shipping containers.

Completion Date: Evaluated monthly through September 30, 2006

Goal/Objective: This PBI incentivizes the contractor to meet all directive shipping commitments on schedule.

Basis for Fee: The on-time delivery of War Reserve (WR) and WR-related components to meet Department of Defense and DOE Weapon Complex needs/requirements is the highest priority Stockpile Stewardship mission at SR. Meeting the base work requirement is dependent upon the proper functioning and availability of many complex pieces of equipment, as well as availability of the knowledgeable staff to operate and maintain them.

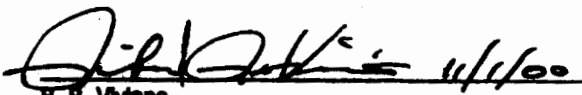
Definitions:

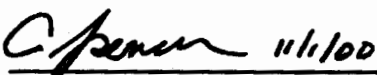
WR - War Reserve
LLC - Limited Life Component
DoD - Department of Defense
RSO - Reservoir Surveillance Operations

Basis for Measurement: The basis for measurement will be shipping of Production Directive requirements as specified to the contractor by DOE in a three-month "look ahead" Production Directive schedule. A new Production Directive will be issued by DOE each month and written acceptance will be obtained from WSRC for the directed work. War Reserve components required from other sites to support the Production Directive must be at SR a minimum of 90 days in advance of the ship date. Loading of components received less than 90 days in advance and changes made to the Production Directive less than 90 days in advance of ship date will be accomplished in a "best efforts" manner and the contractor will not be penalized for failure to do so.

Expected Performance Level: The progress payment amount (\$150,000) will be paid monthly based on achieving each month's Production Directive commitments.

Minimum Level of Performance: Any missed shipment will result in nonpayment for that month's portion of this PBI and will likely adversely affect the General Performance Fee amount for DP for that period. However, to not invoke the L103 "Conditional Payment of Fee, Profit or Incentive" clause, the monthly shipping directive must be met 10 months during the fiscal year.


R. R. Viviano
Acting Manager
Tritium Area Office


C. G. Spencer
Vice President and General Manager
Defense Programs

Final: 11/1/00

~~PROCUREMENT SENSITIVE~~

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FY01-06 TRIT-2 Rev. 2 (1/02)

Reservoir Surveillance and Testing / Function Test Station (FTS) Modifications

Page 1

DOE SR Manager: M. A. Hunemuller

DOE HQ Point Of Contact: P. Pizzarello, DP-24

WSRC Manager: C. G. Spencer

SR Technical POC: J. M. Newell

Fee: Total available - \$9,200,000 (Reservoir Surv. Testing) + \$800,000 (FTS Modifications) = \$10,000,000

Introduction and Reason for Revision: The finalization of the Out-year Life Extension Program (LEP) schedules in early FY01 produced a significant impact on Reservoir Surveillance Operations (RSO) function test capacity in FY07 and beyond. The additional workload generated by the W80, W76 and W87 LEPs exceeds the projected capacity of the RSO function testers, post 232-H Function Test Facility (FTF) shutdown. While a Conceptual Design Report (CDR) is being developed for a Replacement Function Tester (RFT), the RFT would not be available until FY07. WSRC has identified modifications to the FTS function testers that will increase capacity and provide operational redundancy. The revision to this PBI incorporates an incentive to complete the proposed modifications to the FTS function testers in FY03. It is desirable to implement these modifications in FY03 to take advantage of a previously scheduled FTS outage (Real Time Mass Spectrometer [RTMS] installation on 800L Bell Jar is part of the TFM&C project), and to ensure system operability prior to the scheduled shutdown of the FTF in FY04. Also, by combining these outages, the growth of a testing backlog can be minimized. These modifications represent the least cost alternative to ensure adequate capacity (extended operation of FTF ~ \$2M/yr.) while minimizing risk to the Surveillance Program test schedule. It should be noted that by adding this work to the planned FTS outage it will reduce testing time availability in FY03.

Several objectives established in Rev. 0 of this PBI were accomplished in FY01 (Inert Metallograph Startup, First Inert Metallography Report, achievement of the stretch goal in the Elimination of Metallograph Backlog and Testing of greater than 116 reservoir equivalents in FY01) and are noted as such. The remaining objective of Rev. 0 of this PBI, Surveillance Backlog elimination by the end of FY05, remains the same. In addition, this revision of the PBI incentivizes the timely completion of physical modifications to the FTS Function Testers.

Description of Work: The work covered by this PBI is to accomplish the Directed Stockpile Work mission of reservoir surveillance to support the reliability assessment of the nuclear weapons stockpile. This includes testing of stockpile units, life storage units, product samples, and R&D components. Work may require any or all of the following: (a) function testing or precision unloading; (b) initial report (RAPTOR) issuance; (c) integrity testing; (d) valve destocking and examination; (e) required environmental conditioning; (f) burst testing; (g) metallographic or inert metallographic examination; and (h) final report (RAISIN) issuance. During the period, the contractor will eliminate the backlog of function tests as defined at September 30, 2000. The basis consists of the requirements reflected on the Master Tracking Spreadsheet of Requirements for Function Testing at SRS updated June 28, 2000 plus the backlog at the end of FY00. This workload represents a total of approximately 756 reservoir equivalents for the FY2001-05 period. In addition, the completion of modifications to the FTS Function Testers is incentivized.

Completion Dates:	May 15, 2001 -	Inert Metallography Startup Testing (Completed FY01)
	October 20, 2001 -	First Inert Metallography Report (Completed FY01)
	September 30, 2001 -	Issue RAISIN or Met Lab Reports (Completed FY01)
	September 30, 2001 -	Achieve 15% Increase in Function Test Equivalents Tested Above FY01 Baseline (Completed FY01)
	June 30, 2002 -	Complete Title II Design of FTS Modifications: 350L RTMS and DAS Separation projects and documented evaluation of two technical issues.
	September 30, 2002 -	Achieve 15% Increase in Function Test Equivalents Tested Above the FY02 Baseline
	September 30, 2003 -	FTS Function Testers Startup Readiness Declared by WSRC
	September 30, 2003 -	Achieve 15% increase in Function Test Equivalents Tested Above the FY03 Baseline
	September 30, 2004 -	Achieve 15% increase in Function Test Equivalents Tested Above the FY04 Baseline
	September 30, 2005 -	Surveillance backlog eliminated

Goal / Objective: This PBI incentivizes the contractor to use available capabilities and people to 1) eliminate the backlog in reservoir metallography, 2) accelerate completion of the first inert metallographical analysis of a reservoir, 3) meet all defined annual requirements for Reservoir Surveillance, while increasing the throughput of function test

Rev. 2 1/28/02

facilities to eliminate the backlog of tests by the end of FY2005, and 4) facilitate the timely modification of the FTS Function Testers. Additional annual funding supplied by DOE by October 1, 2001 will fund 2 new function test crews and additional SRTC support. It is estimated this will require \$2.9 million/year in additional operating funding.

Basis for Fee: The Reservoir Surveillance testing program is a key activity in the Nuclear Weapons Stockpile Surveillance Program. The lapse in testing between Mound Plant shutdown in 1994 and re-establishment of full capability and capacity at SR in 1998 created a backlog of surveillance units to be tested. The DOE and Design Agencies have placed a high priority on expediting the elimination of this backlog, based on the importance of the test data in assessing the reliability of the nuclear weapons stockpile. Therefore, since the value for this effort lies in the expeditious obtaining of critical surveillance data for the Design Agencies, WSRC will be incentivized to provide this data as soon as possible during the evaluation period.

1. **Inert Metallography**
The capability to perform inert metallographic examination of reservoir components is not available to the Weapons Complex. Startup of the new facilities and processing of the first reservoir is significant in that it demonstrates the capability as a precursor for other reservoir types. (Completed FY01)
2. **Reservoir Metallography and Reporting**
The goal will be based upon the number of Reservoir Surveillance Operations (RSO) and Life Storage Program (LSP) reservoirs evaluated in the Materials Test Facility (MTF)/Metallography Laboratory (Met Lab) during the twelve month fiscal year. (Completed FY01)
3. **Elimination of Reservoir Surveillance Backlog**
Applying resources to reduce the surveillance backlog will provide critical data to the Design Agencies concerning the status of the nuclear weapons stockpile. In order to eliminate the backlog, resources will be directed in FY01 to test the defined annual commitments as a base goal and test 15% more equivalents than the baseline as a stretch goal. In each year from FY02-FY05, resources will be utilized to meet the baseline plus stretch incentive - ultimately leading to backlog elimination by the end of FY05.
4. **Implement FTS Modifications**
Implement proposed modification to the FTS Function Testers. The proposed modifications include the installation of an RTMS on the 350L Bell Jar and the separation/installation of a dedicated Data Acquisition System (DAS) for the 350L Bell Jar. It is desirable to implement these modifications in FY03 to take advantage of a previously scheduled FTS outage (TFM&C: 800L Bell Jar RTMS), and to ensure system operability prior to the scheduled shutdown of the FTF. These modifications represent the least cost alternative to ensure adequate capacity (extended operation of FTF ~ \$2 M/ yr.) while minimizing risk to the Surveillance Program test schedule. WSRC will receive a provisional payment of \$300,000 upon completion of Title II design and documented evaluation of two identified technical issues. The two technical issues address the operability of the RTMS configuration on the 350 L Bell Jar and the compatibility of new electronic components (PI 6000 data acquisition chassis and Datachron Model 3900 timing generator) in the FTS DAS configuration. Completion of these deliverables will be documented in reports by June 30, 2002. WSRC will receive a second provisional payment of \$500,000 when WSRC declares FTS Function Tester Startup Readiness for Tritium Testing by September 30, 2003 (additional \$500,000 for a total of \$800,000). The provisional payments will convert to final after any two function tests have been completed in both the 350L and the 800L bell jars and the Design Agencies accept the test results (RAPTORs) as proof of system operability. Should the FY02 milestone be missed, WSRC will still earn the fee (\$300K) associated with FY02 milestone if the FY03 milestone is completed on time.

~~PROCUREMENT SENSITIVE~~

FY01-06 TRIT-2

Reservoir Surveillance and Testing

Page 3

Definitions:

AL - Albuquerque Operations Office

FTF - Function Test Facility (232-H)

FTS - Function Test Station

LSP - Life Storage Program

RSO - Reservoir Surveillance Operations

RAPTOR - Rapid Analysis Promulgated To Obtain Results

RAISIN - Reservoir Archive and Integrated Surveillance Information Network

R&D - Research and Development

b2

Basis for Measurement:

The bases for measurement for this PBI are as follows:

FY01**1) Inert Metallography**

First, startup testing (excluding initial SRTC dummy run and readiness assessment) must be completed by 5/15/01. Second, a report shall be issued to the Design Agency by 10/20/01 indicating the completion of the first metallographic evaluation. The specific reservoir to be evaluated will be designated by DOE-SR. WSRC will be awarded a provisional payment equal to the full amount of this incentive upon completion of startup testing (\$350,000). Failure to complete the metallographic evaluation and report issuance will result in WSRC refunding the award. (Completed FY01)

2) Reservoir Metallography and Reporting

The evaluation is complete and will be scored when either the RAISIN or Met Lab report is issued. Evaluations may consist of full metallography, abbreviated metallography, or fractography as designated by the Design Agency requirements document (RSO units) or the Task Technical Plan (LSP units). Met Lab reports may also be issued and scored for evaluations performed on LSP reservoirs transferred to the SRTC MTF Met Lab (funded by the LSP budget and the reports are written by LSP personnel). The value of this portion of the PBI is \$200,000 (75 units for a base progress payment of \$100,000 and 10 additional units [85 total] for a stretch progress payment of \$100,000). Payment will be made upon achieving the base or stretch number of units. (Completed FY01)

3) Complete Baseline Function Test Equivalents

Baseline performance will consist of meeting the defined annual commitment within program funding levels for a total amount of \$400,000. A provisional payment of \$200,000 will be made on 3/31/01. The remaining \$200,000 will be paid upon completion of the base number of function test equivalents. The provisional payment will be refunded if WSRC fails to complete the base number of function test equivalents by 9/30/01. (Completed FY01)

4) 15% Increase in Function Test Equivalents Tested Above the FY2001 Baseline Test Schedule

Through scheduling efficiencies and additional staffing, DP will perform additional function tests above the FY01 baseline test schedule. To compensate for the difficulty and complexity of the various weapon systems, performance will be measured by an established set of test equivalents. SR will be awarded \$30,000 per percentage of test equivalents completed above the baseline test schedule. A maximum progress payment of \$450,000 (15% increase in equivalents: a minimum of 40% of the increase must be function tests) can be earned by completion of this stretch goal. If the number of reservoir equivalents tested exceeds the stretch goal, the excess equivalents will be counted toward the FY02 total equivalents tested. (Completed FY01)

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PEMPII9.max

DELETED VERSION

FY02-FY06

Baseline performance will consist of meeting defined annual commitments within program funding levels for a base payment amount of \$1,000,000 annually. A provisional payment of \$500,000 will be made on March 31st of each year. The remaining \$500,000 will be paid upon completion of the base number of function test equivalents. The provisional payment will be refunded if WSRC fails to complete the base number of function test equivalents by September 30th of a given fiscal year. Stretch performance in FY02-05 will require achieving an increase above baseline as shown in the following table. WSRC will also continue prudent attention to post-function activities. Failure to do so may affect Defense Program's contribution to the Comprehensive Performance/Special Performance Area Assessment. For FY02-04, WSRC will be awarded a percentage of the stretch progress payment (\$600,000) equal to the percentage of equivalent workload completed up to the stretch equivalent target. Unearned stretch progress payments for a given year will be earned in future years if the amount of reservoirs not tested are made up in future years. If the number of reservoir equivalents tested exceeds the stretch goal in a given year, the excess equivalents will be counted toward the subsequent year's total equivalents tested. A lump sum payment of \$1,000,000 will be made in FY05 only if the surveillance backlog is eliminated by the end of FY05. Failure to meet the FY05 backlog elimination commitment (lump sum payment) will not affect previous payments for this PBI.

FTS Modifications

The proposed modifications include the installation of an RTMS on the 350L Bell Jar and the separation/installation of a dedicated Data Acquisition System (DAS) for the 350L Bell Jar. The modifications to the FTS are estimated to cost between \$3 - 6M. WSRC will receive a provisional payment of \$300,000 upon completion of Title II design and document evaluation of two technical issues by June 30, 2002. WSRC will receive a second provisional payment of \$500,000 when WSRC declares FTS Function Tester Startup Readiness for Tritium Testing by September 30, 2003 (additional \$500,000 for a total of \$800,000). The provisional payments will convert to final after any two function tests have been completed in both the 350L and the 800L bell jars and the Design Agencies accept the test results (RAPTORs) as proof of system operability. Should the FY02 milestone be missed, the fee (\$300K) will be earned if the FY03 milestone is completed on time.

Expected Performance Level: The progress and provisional payments will be earned based on completion of activities as shown in the following tables.

Year	Commitment	Fee Available
FY01	Inert Metallography	Base: \$ 350,000
	Reservoir Metallography	Base: \$ 100,000 Stretch: \$ 100,000
	Baseline Equivalent Workload (101)	Base \$ 400,000
	15% Increase in Function Test Equivalents (116)	Stretch: \$ 150,000

~~PROCUREMENT SENSITIVE~~

FY01-06 TRIT-2
Reservoir Surveillance and Testing

Page 5

Year	Equivalent Workload	Fee Available
FY02	117	Base: \$ 1,000,000
	129	Stretch: \$ 600,000
	FTS Modifications Title II Design (350L RTMS and DAS Separation Projects) and the documented evaluation of two technical issues are completed	Base: \$ 300,000
		Provisional Payment
FY03	93	Base: \$ 1,000,000
	105	Stretch: \$ 600,000
	FTS Startup Readiness Declared by WSRC	Base: \$ 500,000
		Provisional Payment
FY04	175	Base: \$ 1,000,000
	195	Stretch: \$ 600,000
FY05	184	Base: \$ 1,000,000
	Lump sum payment for backlog elimination (cumulative of ~ 756 equivalents in FY01-05)	Stretch: \$ 1,000,000
FY06	Meet baseline commitments	Base: \$1,000,000

Minimum Level of Performance: A minimum performance level of 65% of the earned value of the base portion of the PBI is required. For this PBI, the 65% level is defined as completing 65% of the base function test equivalents each year.

Assumptions

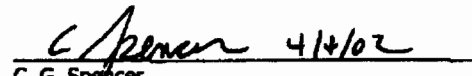
- SP800A parts are received from SNL and KC per the current schedule (Completed)
- RTMS filament does not fail in FTF
- Schedule/test requirements changes require 2 months advance notice
- Assemblies are at SRS 2 months in advance of the baseline schedule
- Units to test are spread out through each fiscal year to balance the workload (requires WSRC approval)
- Changes to test requirements impacting the baseline schedule are adjusted for test equivalents
- Other DA specified work impacting SRS ability to test are adjusted for test equivalents
- 800 liter Bell Jar thermal profiling in FY01 meets DA requirements (Completed in FY01)
- Downtime due to SFIs and test anomalies (not the fault of the contractor) is adjusted for test equivalents at the rate of 1.7 equivalents/week of downtime
- Inability to reach the DA or time awaiting DA decisions which result in contractor downtime are adjusted for test equivalents
- Parts are available as required to meet the test schedule
- Units that are precision unloaded receive credit for the same number of equivalents as if they had been function tested
- Cycle units are run sequentially to reduce setup time
- Additional funding is provided by October 1, 2001, and future years to support 2 function test crews

Rev. 2 1/28/02

Assumptions (continued)

- Schedules were developed based on current known projections for project-related outages and 14 days due to miscellaneous building outages each year. Test equivalents will be adjusted for required outages, not the fault of WSRC, in excess of these times.
- A Design Agency change in test methodology may impact the complexity and duration of a test sequence. Such changes would justify a change to the equivalent value of the test. Any equivalent value change will be approved by DOE-SR.
- All surveillance activities are performed using appropriate methods.
- Funding for the FTS Modifications projects is available at the start of FY02 and FY03.
- Should design issues be identified with the proposed FTS Modifications which would prohibit project execution, the fee will be returned to the unallocated fee pool.
- Assumes a Readiness Assessment will be used to assess FTS Modifications projects startup status.
- The scope of the FTS DAS Separation project does not include capability to enhance B83 testing.
- Events beyond the control of WSRC which would significantly change the scope or schedule of the TFM&C outage in FTS justifies changing FTS Modifications commitment dates or cancellation of the FTS Modifications PBI and return of fee to the unallocated fee pool.
- Changes in computer security requirements/variances that impact the scope and schedule of the DAS Separation project would justify changing the FTS Modifications commitment dates or cancellation of the PBI and return of fee to the unallocated fee pool.
- The technical issues evaluation is intended to identify early on, during the pre-construction phase, technical problems associated with new equipment. Resolution of identified problems is not required during the evaluation phase.


M. A. Hunemüller
Defense Programs Operations
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C. G. Spencer
Vice President and General Manager
Defense Programs

DELETED VERSION

Closeout of FY01-06 PBI TRIT-2, Revision 2

Background: The TRIT-2 PBI was formulated as a 5-year goal to eliminate existing reservoir function testing backlog and to establish the capability to fully support annual testing requirements. The annual base and stretch targets provide a basis for measuring continuous improvement in testing efficiency. In addition, there is a provision for a bonus payment for backlog elimination. The performance targets are stated in terms of equivalents as a means of normalizing relative testing effort for the various weapon systems. The PBI recognizes that the stretch target may be exceeded in any given year and allows for carryover of the "excess" tested for application toward future baseline or stretch goals. This supports achievement of maximum performance, since no penalty (i.e. loss of future fee) is incurred by testing all available assets and exceeding a target. When the PBI was prepared in late FY00, it was anticipated that testing capacity would be reduced and backlog increased in FY03 due to an extended outage affecting the testing facilities. For this reason, a 5-year goal was established for elimination of all function testing backlog. Due to significant gains in efficiency in FY01-03, all backlog was eliminated in early FY03. In the latter half of FY03, the flow of assets to be tested decreased significantly due to issues at the Pantex Plant; as a result, no additional on-hand backlog currently is available for testing. It has become apparent that the decrease in available assets will continue into FY04, impacting WSRC's ability to meet future targets. The potential for this issue was recognized during formulation of the PBI and documented, so NNSA and WSRC have agreed to close the PBI. To date, appropriate payments have been made to WSRC for FY01-03 targets met, however, the issue of payment for elimination of the testing backlog requires resolution.

Rational of payment for backlog elimination: The PBI contains a provision for a \$1M bonus payment in FY05 for elimination of the reservoir function testing backlog. It was determined that the total backlog would consist of two major contributors: the existing backlog at the beginning of FY01; and an additional backlog generated in FY03 during the facility outage affecting the Function Test Stations (FTS) in Building X. The initial backlog was 107 equivalents. Performance goals in FY01-02 were based on a 15% improvement each year, but the FY03 goal was reduced due to the outage. To calculate the anticipated additional backlog resulting from FY03 reduced testing, the following method was used:

$$[\text{FY02 goal} + (0.15) \text{ FY02 goal}] - [\text{actual FY03 goal}] = \text{additional backlog}$$

$$[129 \text{ equivalents} + (0.15) (129) \text{ equivalents}] - [105 \text{ equivalents}] = 43 \text{ equivalents}$$

DELETED VERSION


Attachment 1

Thursday, May 13, 2004.max

DELETED VERSION

Closeout of FY01-06 PBI TRIT-2, Revision 2

Background: The TRIT-2 PBI was formulated as a 5-year goal to eliminate existing reservoir function testing backlog and to establish the capability to fully support annual testing requirements. The annual base and stretch targets provide a basis for measuring continuous improvement in testing efficiency. In addition, there is a provision for a bonus payment for backlog elimination. The performance targets are stated in terms of equivalents as a means of normalizing relative testing effort for the various weapon systems. The PBI recognizes that the stretch target may be exceeded in any given year and allows for carryover of the "excess" tested for application toward future baseline or stretch goals. This supports achievement of maximum performance, since no penalty (i.e. loss of future fee) is incurred by testing all available assets and exceeding a target. When the PBI was prepared in late FY00, it was anticipated that testing capacity would be reduced and backlog increased in FY03 due to an extended outage affecting the testing facilities. For this reason, a 5-year goal was established for elimination of all function testing backlog. Due to significant gains in efficiency in FY01-03, all backlog was eliminated in early FY03. In the latter half of FY03, the flow of assets to be tested decreased significantly due to issues at the Pantex Plant; as a result, no additional on-hand backlog currently is available for testing. It has become apparent that the decrease in available assets will continue into FY04, impacting WSRC's ability to meet future targets. The potential for this issue was recognized during formulation of the PBI and documented, so NNSA and WSRC have agreed to close the PBI. To date, appropriate payments have been made to WSRC for FY01-03 targets met, however, the issue of payment for elimination of the testing backlog requires resolution.

Rational of payment for backlog elimination: The PBI contains a provision for a \$1M bonus payment in FY05 for elimination of the reservoir function testing backlog. It was determined that the total backlog would consist of two major contributors: the existing backlog at the beginning of FY01; and an additional backlog generated in FY03 during the facility outage affecting the Function Test Stations (FTS) in Building  The initial backlog was 107 equivalents. Performance goals in FY01-02 were based on a 15% improvement each year, but the FY03 goal was reduced due to the outage. To calculate the anticipated additional backlog resulting from FY03 reduced testing, the following method was used:

b2

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$$[129 \text{ equivalents} + (0.15) (129) \text{ equivalents}] - [105 \text{ equivalents}] = \underline{43 \text{ equivalents}}$$

DELETED VERSION

Attachment 1

Therefore, the total projected backlog is:

$$[\text{initial backlog}] + [\text{FY03 backlog}] = \text{total backlog}$$

$$[107 \text{ equivalents}] + [43 \text{ equivalents}] = \underline{150 \text{ equivalents}}$$

To determine the appropriate fee for elimination of the initial backlog, the percentage of completion is calculated as follows:

$$[\text{backlog completed}] / [\text{total backlog}] \times 100\% = \text{percentage completion}$$

$$[107 \text{ equivalents}] / [150 \text{ equivalents}] \times 100\% = \underline{71.3333 \%}$$

This value multiplied by the available bonus of \$1M provides the fee to be paid to the contractor, \$713,333.

Attachment 1

FY01-04 TRIT-3

Complete the Tritium Facility Modernization and Consolidation

Page 1

DOE SR Manager: W. A. Richardson
DOE HQ Point Of Contact: P. Pizzarello, DP-24

WSRC Manager: C. G. Spencer
SR Technical POC: C. H. Ramsey

Fee: \$2,900,000

Description of Work: The work covered by this PBI is to complete and place into operation the Tritium Facility Modernization and Consolidation project within established baselines.

Completion Date: September 13, 2004

Goal/Objective: The objective is to concentrate the resources and execution ability of the Contractor's various organizations to successfully complete the Tritium Facility Modernization and Consolidation project. The project is to be completed within cost and schedule baselines as described in the latest revision of the Project Execution Plan.

Basis for Fee: The progress payment amounts have been selected to concentrate management attention on this very important project and its impact on the site's Defense Programs mission. Completion of TFM&C is key to SRS' plans for decommissioning of building 232-H, which is expected to result in significant facility cost savings. The TFM&C project also supports the Commercial Light Water Reactor program's Tritium Extraction Facility project, which is being built at SRS. Any delay or technical problem with TFM&C will significantly affect the TEF project's schedule to deliver new production tritium for loading in weapons components.

Definitions:

BCWP - Budgeted Cost of Work Performed
BCWS - Budget Cost of Work Scheduled
SPI - Schedule Performance Index
PBI - Performance Based Incentive
TFM&C - Tritium Facility Modernization and Consolidation Project
TEF - Tritium Extraction Facility
TEC - Total Estimated Cost
TPC - Total Project Cost

Basis for Measurement: The bases for measurement will be (1) completion of key milestones; (2) assessment of objective factors for Project Management Performance; (3) final project completion within established baselines; and (4) submittal of Critical Decision-4. The Project Management Performance will be assessed using criteria from the following categories:

- Effective Utilization of Earned-Value Systems
- Interactions with Regulators and Other Agencies
- Timely and Accurate Reporting
- Maintenance of the Trend Program
- Appropriate Recognition of Project Team Performance
- Construction Safety Performance

Assignment of specific progress payment amounts for each criteria (of the \$100,000 total) will be established at the beginning of each fiscal year.

This PBI assumes the FY02 President's Budget supports project funding needs as identified by the most recent estimate to complete.

FY01-04 TRIT-3


Complete the Tritium Facility Modernization and Consolidation

Page 2

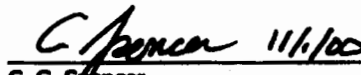
Expected Performance Level: See attached table. Progress payments on intermediate milestones will be earned based on schedule performance with the full progress payment earned at the 100% completion date and a reduced progress payment earned based on the amount of slippage as shown in the table. Any unearned progress payments will be rolled over for potential earning with any subsequent related (i.e., ~~X~~ or 234-7H grouping) milestone completed at the 100% date or with the final milestone upon project completion. If the final milestone is not completed at the 100% date, portions of progress payments in reserve will be earned at the same reduced rate as the final milestone per the attached table. Failure to meet the final milestone per schedule will not affect previous payments. Progress payments for the Project Management Performance factors will be earned based upon meeting the annual targets, with a total of \$100,000 available each of the four years for this project. An additional incentive payment (super stretch) may be earned for performing TEC scope more efficiently than planned. This incentive payment will be awarded at 20% of the total TEC underrun (including management reserve and contingency) against the authorized baseline at project completion. b2

This PBI will be Change Controlled to be consistent with approved Baseline Change Proposals.

Minimum Level of Performance: A minimum performance level of 65% of the earned value of the base portion of the PBI is required. For this PBI, the total project cost (TPC) work SPI (BCWP divided by BCWS), inception to date, will be greater than 0.65 at the completion of each fee period. This evaluation will be applicable to Line Item Projects with current total project baselines greater than \$50M that are greater than 20% complete at the end of the fee period. Projects must be funded by the Department of Energy to the profile established when the project was last baselined. The impacts to the project due to any other directed changes must be evaluated and terms of this satisfactory performance level Change Controlled as appropriate.

 11/1/00

R. R. Viviano
Acting Manager
Tritium Area Office

 11/1/00

C. G. Spencer
Vice President and General Manager
Defense Programs

DELETED VERSION

Final: 11/1/00

PROJECT SCHEDULE PERFORMANCE PBI

DELETED VERSION

TRITIUM FACILITY MODERNIZATION & CONSOLIDATION (TFM&C) - Project S-7726									
PROJECT SCHEDULE PERFORMANCE PBI									
100%	90%*	75%*	60%*						
30-Apr-01	31-May-01	30-Jun-01	30-Jul-01	1	2	3	3	30-Jul-01	
30-Sep-01	31-Oct-01	30-Nov-01	31-Dec-01	1	2	3	3	31-Dec-01	
04-Dec-01	04-Jan-02	04-Feb-02	04-Mar-02	1	2	3	3	04-Mar-02	
31-Oct-02	30-Nov-02	31-Dec-02	31-Jan-03	1	2	3	3	31-Jan-03	
30-Jun-03	31-Jul-03	31-Aug-03	30-Sep-03	1	2	3	3	30-Sep-03	
07-Sep-04	07-Oct-04	07-Nov-04	07-Dec-04	1	2	3	3	07-Dec-04	

* Unearned progress payments are accumulated for potential earning with any subsequent milestone (within the 'X' or 234-7H grouping) completed at the 100% date or with the final milestone upon project completion (graded payment).

TRITIUM FACILITY MODERNIZATION & CONSOLIDATION (TFM&C) - Project S-7726									
PROJECT SCHEDULE PERFORMANCE PBI									
100%	90%	80%	70%						
13-Sep-04	13-Oct-04	13-Nov-04	13-Dec-04	1	2	3	3	13-Dec-04	
	50%	30%	10%						
4	13-Jan-05	13-Feb-05	13-Mar-05	6	6	6	6	13-Mar-05	

Super Stretch: An incentive payment will be awarded at 20% of total TEC underrun (including management reserve and contingency) against the authorized capital funding as modified by approved BCPs.

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~~PROCUREMENT SENSITIVE~~

FY01-06 TRIT-4 Rev. 1 (02/03)

Complete the Tritium Extraction Facility (TEF)

Page 1

DOE SR Manager: E. Wilmot
DOE HQ Point of Contact: M. Claussen

WSRC Manager: C. G. Spencer
SR Technical POC: C. Ramsey

Fee: \$14,000,000 Base PBI Fee *{FEE Aid: FY01 → \$980,000 + FY02 → \$19,000 = \$999,000}*

Introduction and Reasons for Revision: The Performance Based Incentive (PBI) is being revised as part of the Tritium Extraction Facility (TEF) project's rebaselining. Additional funds and time are now required due to numerous factors. These factors are the subject of several reports and other writings and are not addressed herein. This revised PBI includes \$13M in earnable fee tied to performance against the project cost and schedule baseline. An additional \$1M is based on achievement of other annual performance objectives. The revised PBI substantially increases the fee "at risk" from a contractor perspective, and is structured in a manner to place additional emphasis on achieving the TEF cost and schedule baseline. The entire \$14M of base PBI fee is now at risk and subject to partial to full forfeiture in the event of a project overrun of the TPC or delay in scheduled completion. Additional fee above base PBI fee can be earned by the contractor for achieving a TPC underrun.

Description of Work: The work covered by this PBI includes completion of all design activities, award of construction contracts, engineered equipment procurements, and issuance of design packages for site forces construction efforts. Construction, testing, and start up activities are also included in this PBI, as are all necessary planning, management, and support activities necessary for successful completion of the project within the established cost and schedule baseline, defined in Attachment I.

Completion Date: July 31, 2007 (Submittal of CD-4 Package)

Goal/Objective: Completion of the CLWR/TEF project is necessary to provide a production source of tritium to support nuclear weapons stockpile requirements. This PBI incentivizes completion of the project by July 31, 2007 within the established TPC baseline.

Basis for Fee: A significant amount of fee has been allocated to this PBI due to the importance of TEF to the National Nuclear Security Administration (NNSA), the nuclear weapons stockpile and the nation. The U.S. currently has no source of virgin tritium in that the old facilities are now deactivated. A new source of tritium is necessary to maintain the nuclear weapons stockpile. Completion of the TEF project within the established cost and schedule baseline is of primary importance to NNSA. Therefore, a substantial portion of the potential earnable fee are payments tied to TPC performance against the formal project baselines. A portion (50%) of these payments convert from provisional payments to incremental payments on an annual basis, provided that the TEF project execution remains within specified cost and schedule performance parameters. Finally, the TEF project completion date is scheduled beyond the date of the current Westinghouse Savannah River Co. (WSRC) M&O contract. As such, specific provisions in this PBI take effect in the event the WSRC contract does not cover the entire period of execution of this project. These provisions are detailed below.

Definitions:

BCWP - Budgeted Cost of Work Performed
BCWS - Budget Cost of Work Scheduled
CLWR - Commercial Light Water Reactor
PBI - Performance Based Incentive
CPI - Cost Performance Index
SPI - Schedule Performance Index
TEF - Tritium Extraction Facility
FAC - Forecast at Completion
TPC - Total Project Cost
EAC - Estimate of Completion
BCP - Baseline Change Proposal
CD-4 - Critical Decision Four

02/20/03

Rev. 1

Basis for Measurement: The bases for measurement will be (1) Fifteen quarterly provisional fee payments for maintaining the cost and schedule baseline established in October, 2002. (2) Annual provisional fee payments for accomplishment of specific NNSA performance objectives; and (3) potential additional "incentive fee" payments beyond the base PBI fee for a TEF TPC underrun. A portion of the provisional payments made are subject to conversion to incremental payments on an annual basis provided that the TEF project EAC does not exceed cost and schedule limits. In the event of a TPC overrun at completion of the project, portions of remaining provisional fees are subject to forfeiture. Specific details concerning criteria and requirements for earning fee in each of these areas is contained in the Expected Performance Level section.

Several fundamental assumptions are key to the Basis of Measurement for this PBI and are described below:

- TPC is the only cost baseline for the project. Cost performance on individual scopes of work may vary from the estimate, provided the TPC is not breached.
- Cost is the fundamental driver for the TEF Project, not schedule or ease of operation. Direction from NNSA during rebaselining was to keep project costs as low as possible while still delivering an operable facility.
- Contingency and Management Reserve will be controlled per current SRS Project Management procedures.
- The TEF project baseline scheduled completion date extends beyond the term of the existing WSRC M&O contract at the Savannah River Site. If this condition continues, certain fees of this PBI shall become payable and final upon expiration of the WSRC/M&O contract, in accordance with the Expected Performance Level Section, para. (4) "Wind up Provision".
- The "incentive fee" portion of this PBI is above the WSRC's fee cap and is not obtained from the unallocated fee pool. This fee is obtained directly from the underrun of the TPC, as applicable.
- This PBI will remain consistent with the TEF project baseline as shown in Attachment I, including all approved BCP's, except as outlined below.
- TEF Project risks have been identified to the extent possible and defined as either "in project" or "outside project" risks. "In project" risks will be funded using project management reserve and contingency. "Outside project" risks identified in Attachment II, will require additional funding and a revision to the project TPC. If, however, NNSA decides to fund outside project risks using existing project contingency, the TPC utilized for the purpose of calculating earned fee, either base PBI fee or additional incentive fee, will be increased by that amount and the contractor will document to NNSA the quantified additional risk.
- Changes to estimated costs from project changes that reduce costs will not be used to reduce the project TPC for purposes of this PBI. This will incentivize WSRC to reduce costs when possible and share in those reductions. However, cost or scope reductions directed in writing by NNSA prior to WSRC initiating actions to reduce said cost or scope will reduce the TPC for purposes of this PBI.

Expected Performance Level: Each of the 3 areas included in the Basis for Measurement section are addressed in detail, including specific requirements and schedules for payment of fee. Attachment III summarizes this information.

1) Quarterly Fee Payments for Maintaining the Cost and Schedule Baseline

- a) Provisional fee payments will be paid in 15 quarterly payments (first payment is \$1.6M, the next thirteen payments are \$800K each, and the last payment is \$1M) per the schedule in Attachment III, to incentivize maintaining the cost and schedule baseline. The total earnable fee is \$13M.
- b) Provisional fee payments will be made provided the project FAC does not exceed the baseline TPC by greater than \$10M, and the forecasted CD-4 submittal date does not exceed the baseline CD-4 date by greater than three months.
- c) At the end of each fiscal year, 50% of the provisional payments paid for that year shall convert to incremental payments, provided the formal annual project EAC does not exceed the baseline TPC by greater than \$10M, and the forecasted CD-4 submittal date does not exceed the baseline CD-4 date by greater than 3 months.

~~PROCUREMENT SENSITIVE~~

FY01-06 TRIT-4 Rev. 1 (02/03)

Complete the Tritium Extraction Facility (TEF)

Page 3

- d) If any of the provisional fee payments are suspended per item (1)b. above, previously converted incremental fee earned is not affected.
 - e) Any quarterly provisional payments suspended per (1)b. above will be recovered in full at the next quarterly provisional fee payment schedule date, provided the project returns to compliance with the cost and schedule performance criteria in (1)b.
 - f) At project completion, defined as submittal of the CD-4 package, all provisional payments convert to final payments provided the project cost at completion is within the TPC plus \$5M, and the CD-4 submittal milestone is achieved no later than 3 months after the baseline schedule. In this case, 100% of the \$13M base PBI fee is earned as final payment.
- 2) Annual Fee Payments for Accomplishment of NNSA Performance Objectives
- a) Provisional payments of up to \$250K annually (\$1M total) will be paid per the schedule in Attachment III, for accomplishing specific Performance Objectives to be defined annually by NNSA, and agreed to by WSRC. Each objective will be allocated to a percentage of the \$250K.
 - b) Specific performance objectives will be selected at the beginning of each Fiscal Year that are indicators of overall project "health". These performance objectives will be documented in a letter of agreement between NNSA and WSRC issued no later than 30 days after the start of each fiscal year.
 - c) Prior to the end of each fiscal year, NNSA will evaluate WSRC's performance against each of these performance objectives, and determine the amount of fee that has been earned, up to \$250K.
 - d) At the end of each fiscal year, 50% of these provisional payments shall convert to incremental payments, provided the project EAC does not exceed the baseline TPC by greater than \$10M, and the CD-4 submittal date does not exceed the baseline CD-4 date by greater than 3 months.
 - e) At project completion, conversion of remaining provisional payments to final payment is based on same criteria as (1)f. above.
- 3) Potential additional incentive fee payments for TPC Underrun at Completion of Project or forfeiture for TPC overrun.
- a) Provided the submittal of CD-4 is achieved within 3 months of the baseline schedule or item (5) below is effectuated, additional incentive fee is earnable by WSRC. This fee is in addition to the \$14M total base PBI fee.
 - b) WSRC will receive a 35% share of a TPC underrun. (For example, if the TPC underrun is \$10M, WSRC earns an additional fee of \$3.5M.) The total amount of underrun incentive fee earned by WSRC is limited to \$16M.
 - c) In the event of a TPC overrun in excess of \$5M, WSRC will share in this overrun by forfeiting fee equal to 50% of the amount the overrun exceeds the TPC + \$5M, subject to (3)d below. (For example, if the TPC overrun is \$10M, WSRC forfeits \$2.5M of fee.)
 - d) The total amount of overrun owed by WSRC is limited to \$14M less any fee converted to incremental payments prior to project completion.
- 4) Wind up Provision
- If the WSRC M&O contract ends prior to the completion date of this PBI, the following provisions will be in effect.
- a) All provisional payments earned to date will become final, subject to (4)d below.

02/20/03

Rev. 1

FY01-06 TRIT-4 Rev. 1 (02/03)
Complete the Tritium Extraction Facility (TEF)

Page 4

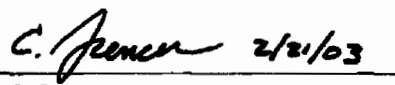
- b) All remaining provisional payments associated with cost and schedule performance will be made and become final, subject to (4)d below.
- c) All remaining provisional payments associated with NNSA performance objectives will be made and become final, subject to (4)d below.
- d) Items (4)a, (4)b and (4)c above will be offset by the appropriate amount to be forfeited (if any) per the terms of (3)c and (3)d above using the last EAC performed as the actual project cost for calculations.
- e) If the last EAC performed prior to the contract end date is less than the TPC baseline at contract end date, an incentive fee payment will be made for the amount of the projected underrun per the terms of (3)b above.

5) Project Cancellation, Extension or Suspension Provision

If the TEF Project is cancelled, extended, or suspended, Items (3) and (4) above concerning base and additional incentive fee will be applicable with the following exceptions.

- a) Remaining base PBI fee payments after the cancellation, extension, or suspension will not be paid and will be returned to the unallocated fee pool.
- b) WSRC liability for any overrun as defined in Items (3)c and (3)d above will be limited to \$14M less future provisional payments returned to the fee pool, and less any incremental payments earned prior to the cancellation, extension, or suspension.
- c) Additional costs associated with the cancellation, extension, or suspension will not be included in the EAC calculation.


E. Wilnot
Defense Programs Operations
National Nuclear Security Administration


C. G. Spencer
Vice-President and General Manager
Defense Programs

~~PROCUREMENT SENSITIVE~~

ATTACHMENT I
PROJECT BASELINE

- 1) The sole cost baseline for purposes of this PBI shall be the approved TPC of \$506,439,000.
- 2) The sole schedule baseline for purposes of this PBI shall be the approved project completion date, defined as submittal of CD-4 package, of July 31, 2007.
- 3) The above TEF TPC and schedule baseline is adjusted per NNSA approved BCPs executed throughout the project execution period, except as provided in the Basis for Measurement section.

02/20/03

Rev. 1

ATTACHMENT II

OUTSIDE PROJECT RISKS

There may be legitimate cause for modifications to this PBI, caused by adverse impacts to the project that are outside the control of WSRC. These factors are referred to as "outside project risks". An example would be the increased security related impacts imposed on the project as a result of the 9/11 terrorist event.

The following risks are considered outside project risks. As such, they were not included in the TEF project risk assessment, nor has any contingency been added to the project to provide for them. If they actually occur the project will be rebaselined to provide for the associated cost and schedule impact. If, however, NNSA elects to use project contingency to fund these effects, the TPC and/or completion date used for calculating fee will be increased by the amount of contingency used.

- 1) Funding shortfalls or delays that affect the project risk, schedule, or cost baseline.
- 2) Security classification or other ESH related changes in guidance from NNSA or in DOE Orders which adversely affect project cost or schedule.
- 3) Site costing rate increases due to reduction in site funding or events beyond the control of WSRC that adversely affect project cost or schedule.
- 4) CLWR requirement changes regarding either facility or TPBARS transportation or handling that adversely affect project cost or schedule.
- 5) External driven scope changes which adversely affect the project cost or schedule.
- 6) Security posture changes due to events beyond WSRC control which adversely affect the project cost or schedule.
- 7) Project delays caused by NNSA, outside the control of WSRC, that require WSRC to delay a scheduled project action and adversely affect the project cost or schedule baseline. WSRC will notify NNSA in writing in advance of such potential delays and will provide NNSA reasonable time to respond.

All other activities within the scope of the project or where contingency is allocated are not part of the provisions of this Attachment II. That includes support for normal and typical NNSA project management, operations, financial and safety oversight, as well as normal and typical oversight.

ATTACHMENT III

TRITIUM EXTRACTION FACILITY (TEF) - Project S-6091
PROJECT COST/SCHEDULE PERFORMANCE PBI

TEF PBI DESCRIPTION	FY03		FY04		FY05		FY06		FY07	
	TOTAL VALUE (\$K)	PAYMENT (\$K)	DATE*	PAYMENT (\$K)	DATE*	PAYMENT (\$K)	DATE*	PAYMENT (\$K)	DATE*	PAYMENT (\$K)
PROVISIONAL - QUARTERLY FEE PAYMENTS - COST AND SCHEDULE										
Project FAC is within \$10M of the baseline TPC and forecasted CD-4 is within 3 months of project baseline CD-4 date.	\$13,000	\$1,600	31-Mar-03	\$800	31-Dec-03	\$800	31-Dec-04	\$800	31-Dec-05	
		\$800	30-Jun-03	\$800	31-Mar-04	\$800	31-Mar-05	\$800	31-Mar-06	
		\$800	30-Sep-03	\$800	30-Jun-04	\$800	30-Jun-05	\$800	30-Jun-06	
		\$800	30-Sep-04	\$800	30-Sep-05	\$1,000	30-Sep-06			
CONVERSION OF PROVISIONAL TO INCREMENTAL - COST AND SCHEDULE										
50% provisional payments for each FY convert to incremental payments if EAC is within \$10M of the baseline TPC and forecasted CD-4 is within 3 months of project baseline CD-4 date.	\$6,500	\$1,600	30-Sep-03	\$1,600	30-Sep-04	\$1,600	30-Sep-05	\$1,700	30-Sep-06	
		Provisional payments convert to final payments if project cost at completion is within TPC plus \$5M, and CD-4 milestone is within 3 months of baseline schedule.								
	\$6,500							\$6,500	31-Jul-07	
PROVISIONAL - ACCOMPLISHMENT OF ANNUAL PERFORMANCE OBJECTIVES										
Achieve Annual NNSA Performance Objectives	\$1,000	\$250	30-Sep-03	\$250	30-Sep-04	\$250	30-Sep-05	\$250	30-Sep-06	
CONVERSION OF PROVISIONAL TO INCREMENTAL - ACCOMPLISHMENT OF ANNUAL PERFORMANCE OBJECTIVES										
50% provisional payments for each FY convert to incremental payments if EAC is within \$10M of the baseline TPC and forecasted CD-4 is within 3 months of project baseline CD-4 date.	\$500	\$125	30-Sep-03	\$125	30-Sep-04	\$125	30-Sep-05	\$125	30-Sep-06	
		Provisional payments convert to final payments if project cost at completion is within TPC plus \$5M, and CD-4 milestone is within 3 months of baseline schedule.								
	\$500							\$500	31-Jul-07	
POTENTIAL ADDITIONAL INCENTIVE FEE PAYMENTS - TPC UNDERRUN AT COMPLETION (Submittal of CD-4 package)										
Complete Project Milestone CD-4 below TPC baseline and within 3 months of baseline schedule.	Up to \$16,000	35% share of TPC underrun. Fee is in addition to \$14M total base PBI.								
								TBD	31-Jul-07	
PENALTIES - Based on TPC Cost Performance at Project Completion (Submittal of CD-4 Package) 31-July-2007										
POTENTIAL FORFEITURE OF PROVISIONAL FEE PAYMENT - TPC OVERRUN > \$5M										
Forfeit fee equal to 50% of the amount the overrun exceeds TPC + \$5M less incremental fee received.	Up to \$14,000	Total amount of overrun owed is limited to \$14M less any fee converted to incremental payments prior to project completion.								

* Invoice will be submitted approximately 15 days after the end of each quarter.

** Represents current TEF baseline schedule. Actual date of achievement of PBI milestone/invoice may differ from this date.

FY04 - FY06 TRIT-5
"2020 Vision" PBI

Page 1

NNSA-SRSO Manager: E. L. Wilmot
NNSA-HQ Point of Contact: P. A. Pizzariello

WSRC Manager: C. G. Spencer
SR Technical POC: W. A. Richardson

Fee: Total Available - \$1,200,000

Goals and Objectives: WSRC has developed a strategic vision for the NNSA Tritium Facilities that, when fully implemented, will 1) reduce operational cost, 2) provide a smaller, modern, more flexible infrastructure, 3) increase capabilities, and 4) optimize Environmental Management support. Funding constraints, reduced tritium requirements, and the need to rapidly change to a smaller nuclear weapons stockpile are 21st-century realities that drive the creation of a facility with these attributes. This vision, and conceptual plans for realizing it, was conveyed in a presentation entitled "2020 Vision," and NNSA-HQ and NNSA-SRSO management have verbally endorsed it. "2020 Vision" was also summarized in the NNSA-SRSO Ten-Year Comprehensive Site Plan, FY 2004. This PBI provides incentive to complete some of the early implementation activities in fiscal years 2004 through 2006 that will ultimately lead to the achievement of these objectives.

Description of Work:

Cost-Effective Operations:



- ❖ Reduce operating cost in FY06 while maintaining good performance

New Technology:

- ❖ Electronic procedure system pilot implementation
- ❖ Digital radiography qualification for use on reservoirs
- ❖ Laser marker process for reservoirs

Basis for Fee: Completion of the "2020 Vision" implementation activities cited in this PBI will provide many substantial benefits to the government. These include:

- ❖ Reduced operating cost
- ❖ Improved flexibility of the workforce and facilities/equipment
- ❖ Additional processing capabilities
- ❖ Improved product quality
- ❖ Consistently excellent conduct of operations

APPROVALS		
WSRC Manager:		2/12/04
	C. G. Spencer	Date
NNSA-SRSO Manager:		2/19/04
	E. L. Wilmot	Date

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"2020 Vision" PBI Fee Summary

Work Activity	Base	Stretch	Superstretch
Electronic procedures:			
❖ Implement a pilot electronic procedure system (first unloading system)	\$250,000	-	-
❖ Implement additional electronic procedures:			
• Second unloading system	\$200,000	-	-
• Unloading diffuser	-	\$200,000	-
• Zeolite bed recovery system	-	\$250,000	-
Complete digital radiography reservoir qualification requirements:			
❖ Submit qualification data to Design Agency(ies)	\$75,000	-	-
❖ Receive Design Agency(ies) approval	\$75,000	-	-
Complete installation of laser marker process for reservoirs	\$150,000	-	-
Cost-Effective Operations			
Reduce operating cost in FY06 while maintaining good performance	-	-	25% of savings (\$10,000,000 maximum)
2020 Vision Total	\$750,000	\$450,000	\$10,000,000 maximum

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New Technology

Work Activity	Completion Date	Basis for Measurement	Expected Performance Level	Assumptions
<ul style="list-style-type: none"> Electronic procedures: <ul style="list-style-type: none"> Implement a pilot electronic procedure system.* 	3/31/05	Base fee will have been earned when electronic procedures are implemented for the operation of one of the unloading systems. Appendix 1 defines successful implementation.	\$250K base fee	If outages are necessary to accomplish planned work for any of the systems prior to implementation of electronic procedures for that system, then the completion date may be extended by the actual length of the outage. Examples of outages may include (but are not limited to): <ul style="list-style-type: none"> Small project to replace an unloading laser on either unloading system Capability for Advanced Loading Missions (CALM) project work that causes an outage of unloading system A
<ul style="list-style-type: none"> Implement additional electronic procedures. 	9/30/06	Base fee will have been earned when electronic procedures are implemented for the operation of the second unloading system. Appendix 1 defines successful implementation. Base fee will have been earned when electronic procedures are implemented for the operation of the unloading diffuser. Appendix 1 defines successful implementation. Stretch fee will have been earned when electronic procedures are implemented for the operation of the xzolit bed recovery system. Appendix 1 defines successful implementation.	\$200K base fee \$200K stretch fee \$250K stretch fee	

*Experience with the pilot system will determine whether to pursue electronic procedures more widely. This decision will be made within 2 months of the actual completion date. If electronic procedures are not desirable, then the fees for implementing additional electronic procedures may be returned to the fee pool.

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New Technology (cont'd)

Work Activity	Completion Date	Basis for Measurement	Expected Performance Level	Assumptions
❖ Complete digital radiography reservoir qualification requirements.	9/30/04	Base fee will have been earned when required qualification data are submitted to the Design Agency(ies) for each of three different reservoir types (32 War Reserve (WR) reservoirs per type) for one Digital Imaging and Measurement System (DIMS).	\$75K base fee	<ul style="list-style-type: none"> ❖ The Design Agency(ies) will not add to the current reservoir qualification data requirements, as described in: <ul style="list-style-type: none"> ➤ Engineering Evaluation Release 2030014SR, Revision 0, "Digital Radiography EER" (for Los Alamos National Laboratory) ➤ SS458495, Revision E, "Approved Methods for SNL Designed Reservoirs" (for Sandia National Laboratory) ❖ A minimum of 32 WR reservoirs will be available for each of three different types of reservoirs to conduct digital radiography qualification activities. ❖ The Design Agency(ies) will provide necessary paperwork authorizing the use of digital radiography on all WR reservoirs to be used for qualification within 30 days of SRS' request. ❖ The Design Agency(ies) will approve the reservoir qualification data within 120 days of the date that qualification data are submitted for the last reservoir type.
	1/31/05	Base fee will have been earned when documented approval is received from the Design Agency(ies) to use digital radiography for evaluation of three different types of WR reservoirs on one DIMS. [NOTE: WSRC's intent is to qualify digital radiography for evaluation of all reservoir types as soon as practical. However, 32 WR reservoirs of each type are required for qualification, so reservoir availability is an issue outside of WSRC's control, particularly for reservoirs that are infrequently processed in campaigns or those with low overall production rates.]	\$75K base fee	
❖ Complete installation of laser marker process for reservoirs.	5/31/05	Base fee will have been earned when the first WR reservoir marked by the laser marker process has received an NNSA diamond stamp, certifying acceptability.	\$150K base fee	Design Agency qualification of the laser marker process is not required. If Design Agency qualification of the laser marker process is required, then a day-for-day slip of the schedule will be permitted for the duration of the Design Agency review.

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Cost-Effective Operations

Work Activity	Completion Date	Basis for Measurement	Expected Performance Level	Assumptions
<p>♦ Reduce operating cost in FY 2006 while maintaining good performance</p>	9/3006	<p>The intent of this PBI is to provide WSRC with incentive to identify and implement innovative concepts that will provide <i>savings</i> and reduce long-term operating costs. The savings period is limited to the last fiscal year of the current M & O contract because short-term investment is anticipated to implement changes that result in long-term savings. Metrics are included to ensure that WSRC maintains <i>good performance</i>.</p> <p>Superstretch fee will be earned on September 30, 2006 in the event that:</p> <ul style="list-style-type: none"> ♦ <i>Actual operating cost</i> is below the <i>baseline operating cost</i>, ♦ WSRC has completed the <i>baseline work scope</i> for the fiscal year 2006, AND ♦ WSRC has maintained <i>good performance</i>. <p>For the purposes of this PBI, the definitions in Appendix 2 will be used for the italicized terms.</p>	Superstretch fee = 25% of <i>savings</i> (\$10M maximum)	None

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Appendix 1

Electronic Procedures Implementation Criteria

The following defines successful implementation of electronic procedures:

1. The scope of implementation includes only those procedures that can be performed entirely at a Distributed Control System (DCS) console for the process systems defined in this PBI.
2. At a minimum, capabilities of the electronic procedures shall include:
 - ❖ Electronic entry of all necessary data (for example, readings and step completions) from a DCS console without need of a paper copy of the procedure.
 - ❖ Interactive data transfer from the DCS to the Automated Reservoir Management System (ARMS) and vice versa. [NOTE: Procedures for processes that do not require a DCS/ARMS interface are excluded from this requirement.]
 - ❖ Modular automation of process sequences. This means that within the overall process sequence – as defined by the start and end points below – some groups of procedural steps (modules) will be automated, interspersed with steps that are performed by the Operator. (Experience has shown that total automation often is not cost-effective.)

Process System	Start Point	End Point
Unloading A and B	After reservoirs are installed	Filling of volume tank with unloaded gas
Unloading diffuser	Removal of gas from unloading volume tank (both RA and RB)	Completion of gas processing through the diffuser stages
Zeolite bed recovery	Magnesium bed heat-up	Declaration of zeolite bed regeneration completion (This will not include evacuation of the water traps following regeneration.)

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Appendix 2

Reduction of FY 2006 Operating Cost – Definition of Terms

- **Actual operating cost** is the total amount of actual expenditures, as reflected in the FY 2006 year-end financial statements, for the following Budget and Reporting (B & R) categories:
 - Directed Stockpile Work
 - Readiness in Technical Base and Facilities, excluding Line Item Project OPC
 - Funded Campaigns, excluding Modern Pit Facility and Tritium Readiness

Actual operating cost will be measured by end-of-year closing reports issued by CFO. However, the **actual operating cost** will be adjusted to exclude expenditures made in FY06 in support of FY07 and beyond work scope, in order to minimize FY06 carryover. Note that Line Item Project TEC and OPC are excluded from **actual operating cost**, since savings in these funding categories are included in other PBIs.

- **Baseline work scope** and **baseline operating cost** represent the FY06 authorized work scope and estimated costs associated with this work for the B & R codes provided above. Presently, this baseline is reflected in the FY04 – FY07 Work Authorization and Execution Plan submitted 10/6/03 (Ref: OBU-DPT-2003-00358). This **baseline work scope** and **baseline operating cost** will be updated and formally submitted in a Baseline Change Proposal (BCP) to NNSA by April 15, 2004. Upon approval of this BCP by NNSA, this updated baseline becomes part of the Basis for Measurement of this PBI. This baseline will continue to be subject to formal change control.

All changes to the **baseline work scope** or **baseline operating cost** will be processed through formal change control. NNSA will approve all BCPs that affect this PBI. For the purposes of this PBI, changes to scope or cost under the control of WSRC, such as small project overruns or underruns, site G&A allocation, and labor efficiencies, will impact the calculation of **savings**. Changes to scope or cost outside the control of WSRC, such as budget reductions, continuing resolution impacts, and scope or regulatory requirements changes, will be excluded from the calculation of **savings**. Any scope reduced by the affirmative action of WSRC without adversely impacting the program will be counted toward the calculation of **savings** under the terms of this PBI.

- **Savings** is the **baseline operating cost** minus the **actual operating cost**, represented by the sum of the three B & R costs.
- **Good performance** is based on achieving DP safety and security performance objectives during FY2006. Minimum performance requirements in safety and security will be based on the following metrics:
 - Industrial Safety and Health – the Operations Total Recordable Case (TRC) Rate for the 12-month period ending 9/30/06 is less than 0.93.
 - Industrial Safety and Health – the Construction Total Recordable Case Rate for the 12-month period ending 9/30/06 is less than 3.0.

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- Radiation Safety the cumulative number of contamination events during FY06 is eight (8) or less.
- Security - the cumulative number of security infractions during FY06 is six (6) or less.
- Significant events indicative of a failure to effectively implement Integrated Safety Management or Integrated Safeguards and Security Management Programs.

WSRC and NNSA may mutually agree to adjust these metrics at the start of FY06 to better reflect operations at that time. Any such revision will be documented in a letter signed by the NNSA-SRSO Manager and the WSRC-DP Area Project Manager.

In the event that **good performance** as measured by the above metrics is not maintained, the NNSA-SRSO Manager may make a deduction in the amount of the superstretch fee earned by WSRC, based on the severity of the performance shortfall.

The TRC Rate is determined by multiplying the total Medical Treatment Cases (MTC) plus Days Away Restricted or Transferred (DART) by 200,000 and dividing by the total number of work hours.

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FY04-FY06 TRIT-6

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Reservoir Surveillance and Testing

DOE SR Manager: E. L. Wilmot
DOE HQ Point of Contact: J. Gazda, NA-122.1/2

WSRC Manager: C. G. Spencer
SR Technical POC: J. M. Newell

Fee: Total Available \$2,700,000

Introduction: FY01-FY06 TRIT-2 Rev. 2 (01/02), Reservoir Surveillance and Testing / Function Test Station (FTS) Modifications PBI contained the original performance based incentives related to reservoir surveillance backlog elimination and added incentives associated with ~~the~~ FTS Function Testers physical modifications. TRIT-2 included an assumption of "Parts are available as required to meet the test schedule" that could not be supported within the nuclear weapons complex. As a result, the TRIT-2 Performance Based Incentive has been cancelled and earnable fees acquired based on performance as of FY03 year-end. All remaining earnable fees will be reallocated toward new PBIs. This PBI, TRIT-6, is created to continue the reservoir surveillance operations activities from FY04-FY06.

Description of Work: The work covered by this PBI involves establishment of metallographic capability necessary to complete examination of W88 surveillance units, reduction of W88 unit backlog requiring metallographic examination, and timely completion of Gas Transfer System (GTS) components post-function examination from Stockpile Lab Tests (SLT), Life Storage Program (LSP) or Production Sample (PS) reservoirs. This work may require any or all of the following:

1. Procurement, installation and checkout of a new scanning electron microscope (SEM) in ~~the~~
2. Completing metallographic examination on a minimum of six (6) W88 reservoirs and submitting results to the design agency for acceptance during FY04.
3. Completing a minimum of twelve (12) W88 metallographic examinations and report submissions during the FY05 performance period and a minimum of fourteen (14) W88 metallographic examinations and report submissions during the FY06 performance period.
4. Disassembly from function test configuration
5. Integrity testing of selected units
6. Burst Testing and Fractography of selected units
7. Metallographic examination (conventional and inert) of selected units
8. Data Analysis and Reporting via Reservoir Archive and Integrated Surveillance Information Network (RAISIN) reports for SLT units and Final metallurgical reports for W88 LSP units)

Completion Dates:	September 30, 2004	Complete examination of 6 W88 units and submit RAISIN / metallurgical reports to design agency - Base workload
	September 30, 2004	Complete Gas Transfer Systems (GTS) Type A RAPTOR to RAISIN - Average duration within 6 months
	September 30, 2004	Complete Gas Transfer Systems (GTS) Type B RAPTOR to RAISIN - Average duration within 12 months
	September 30, 2005	During FY05, complete 12 W88 examinations and submit RAISIN / metallurgical reports to design agency - Base workload
	September 30, 2005	Complete Gas Transfer Systems (GTS) Type A RAPTOR to RAISIN - Average duration within 5 months
	September 30, 2005	Complete Gas Transfer Systems (GTS) Type B RAPTOR to RAISIN - Average duration within 11 months
	September 30, 2006	During FY06, complete 14 W88 examinations and submit RAISIN / metallurgical reports to design agency - Base workload
	September 30, 2006	Complete Gas Transfer Systems (GTS) Type A RAPTOR to RAISIN - Average duration within 4 months
	September 30, 2006	Complete Gas Transfer Systems (GTS) Type B RAPTOR to RAISIN - Average duration within 10 months

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Goal and Objectives: This PBI incentivizes the contractor to use available capabilities and personnel to 1) establish and qualify the necessary metallographic examination capability to complete surveillance activities on W88 gas transfer system components, 2) utilize this new capability to meet annual requirements and reduce the surveillance backlog of W88 components, and 3) reduce the cycle time to complete surveillance related gas transfer system (GTS) component post-function test examination and reporting.

Basis of Fee: The reservoir surveillance testing program is a key activity in the Nuclear Weapons Stockpile Surveillance Program. A backlog of units exists to provide complete information on the aging affects of W88 GTS components and the reliability of the nuclear weapons stockpile, in addition to supporting key decisions for future W88 GTS design.

NNSA and the Design Agencies have placed a high priority on testing and reducing the cycle time of examinations on surveillance components, as well as expediting the establishment of analysis capability and analysis backlog elimination. This information is key to the determination of nuclear weapon stockpile reliability. Reliability is determined annually based on surveillance cycle information. NNSA strives to obtain this information as soon as possible in relation to the system surveillance cycle. Since the value for this effort lies in the expeditious obtaining of critical surveillance data for Design Agencies, WSRC will be incentivized to provide this data as soon as possible during the evaluation period.

1. Initial W88 Component Analysis

Currently 24 W88 Stockpile Lab Test units and 69 Life Storage Program units are being stored pending establishment of examination capability. In addition, annual surveillance selections (typically three [3] per year) and scheduled life storage function tests will also add to the totals requiring examination. These units will be examined on a priority basis per design agency direction. (The design agency may reduce the requirements by eliminating the examinations on units no longer of interest.) SEM procurement and installation is the first phase in establishing the W88 examination capability.

In FY04, preoperational data from using the new analytical capability to examine initial W88 GTS components will be provided to the Design Agencies. Providing this information will enable the Design Agencies to evaluate the adequacy of the methodology, techniques and instrumentation used in the analysis. (Subcomponents to be examined by the SEM will be accumulated during the period leading up to operational status of the SEM. This will allow expeditious examination of these subcomponents once the SEM is operational. After completion of the examinations of the accumulated subcomponents, the rate of subcomponent examination will be limited by precursor activities.)

2. Reduction of W88 Examination Backlog

Applying resources to reduce the W88 examination backlog will provide critical data to the Design Agencies concerning the status of the nuclear weapons stockpile. In order to reduce the W88 examination backlog, resources will be directed in FY05 and FY06 toward meeting the annual requirements plus targeted backlog reduction for W88 examinations and RAISIN/metallurgical reports as a base goal, with additional examinations and RAISIN/ metallurgical reports above base goal as a stretch goal.

3. Gas Transfer System (GTS) Examination

The examination cycle starts with the completion of the function test and issuance of the function test report (RAPTOR report) and ends with the reporting of examination results in a RAISIN report. Average duration goals for examination and reporting on GTS components are based on weapon system type taking into consideration relative processing times (due to work content, offgassing time, etc). These will be referred to as Type A and Type B systems as explained in the Assumptions section. Rapid Analysis Promulgated to Obtain Results (RAPTOR) to RAISIN duration averages by type are required to be within the specified durations to earn the base goal fee.

Basis for Measurement: The bases for measurement of this PBI include:

1. Initial W88 Component Analysis

WSRC will receive \$240K earnable fee upon the Base Goal completion of an initial six (6) component examinations and submission of RAISIN/metallurgical reports by September 30, 2004. Completion of

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additional W88 examinations and submissions of RAISIN/metallurgical reports by September 30, 2004 results in a Stretch Goal with a maximum stretch earning potential of \$180K (1st & 2nd additional units @ \$40K each and 3rd & 4th additional units at \$50K each). The total potential value for this PBI portion is \$420K.

2. Reduction of W88 Examination Backlog

In FY05, baseline performance will consist of meeting the defined annual commitment of 12 W88 examinations and submission of RAISIN/metallurgical reports for a \$360K base goal earnable fee. Completion of 6 or more examinations and report submissions, but less than the base goal of 12 will only earn half of the Base fee earnable for that specific year or \$180K. In FY06, baseline performance will consist of meeting the defined annual commitment of 14 W88 examinations and submission of RAISIN/metallurgical reports for a \$360K base goal earnable fee. Completion of 7 or more examinations and report submissions, but less than the base goal of 14 will only earn half of the Base fee earnable for that specific year or \$180K. Completion of additional W88 examinations and issuance of RAISIN/metallurgical reports above the Base goal established for FY05 or FY06 earns \$40K each for the 1st & 2nd additional units and \$50K each for the 3rd & 4th additional units (Maximum \$180K) above the base goal for the applicable year. The total potential value for this PBI portion is \$1,080K.

If WSRC achieves a cumulative total of at least 44 W88 RAISIN/metallurgical reports by the end of FY06, any forfeited FY04 and FY05 base or stretch fees associated with this portion of the PBI will be reinstated and earned by WSRC.

3. Gas Transfer System (GTS) Examination

FY03 goals for completion of examination and reporting (RAPTOR to RAISIN time) are 6 months for Type A systems and 12 months for Type B systems. FY04 keeps the same goals as FY03, but also includes consideration for closure of the existing MTF laboratories and transfer of equipment and units to 234-7H after completion of startup testing. Major portions of the GTS examination capability will be relocated from 232-H to 234-7H. During this period, some disruption of operations will occur as equipment is relocated and restarted, as well as when new equipment undergoes initial startup. The FY04 goal is to maintain the previously expected performance while achieving relocated capability. Movement to 234-7H has no earnable fee associated with it. After FY04, improvements in average examination and reporting cycle times are factored into the goals. RAPTOR to RAISIN average durations are required to be within the specified durations for the base goal earnable fee each year. In FY05 and beyond, it is expected that cycle times will improve from the current level and that expected improvement is factored into the FY05 and FY06 goals. Delays or Hold Time pending Design Agency or NNSA direction, are excluded from the RAPTOR to RAISIN durations, unless delay is due to WSRC error.

RAPTOR to RAISIN average duration will be based on the population of GTS examinations for which the RAISIN report is completed during that fiscal year performance period. Note that the RAPTOR report completion and initiation of post function testing examination may actually start in the prior fiscal year. For each fiscal year performance period, two average duration values are calculated, one for Type A reservoirs and one for Type B reservoirs. For a given reservoir type, the average duration is the summation of days between the issuance of the RAPTOR report to the issuance of the RAISIN report for all reservoirs of that Type completed divided by the number of reservoirs. It will be assumed that one month is equal to 30 days for the purpose of converting the average duration from days to months. In order to earn fee associated with this portion of the PBI, the average duration for both the Type A and the Type B reservoirs must be less than the values stated in the table included in the Expected Performance Section below.

In addition, provided assets are available to test, meeting projected annual requirements of 115 equivalents in function testing (SLT, LSP, PS, or Precision Unload) will be included as part of the baseline performance. If assets are not available to test, the annual requirement to test will be excluded from the baseline performance. Failure to meet this goal, when assets are available, will result in a reduction of earned fee proportionate by the percentage of tests missed.

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FY04-FY06 TRIT-6

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Reservoir Surveillance and Testing

Expected Performance Level: Progress payments will be earned based on completion of activities shown in the following table.

Year	Commitment	Fee Available
FY04	Initial 6 W88 examinations and submission of RAISIN/metallurgical reports Additional W88 examinations and RAISIN/metallurgical reports GTS Examination RAPTOR to RAISIN Average Duration Type A systems 6 months Type B systems 12 months	Base: \$240K Stretch: Max \$180K 7 th & 8 th units @ \$40K ea. = \$80K 9 th & 10 th units @ \$50K ea. = \$100K Base: 400K
FY05	12 W88 examinations and RAISIN/metallurgical reports Additional examinations and RAISIN/metallurgical reports above Base goal GTS Examination RAPTOR to RAISIN Average Duration Type A systems 5 months Type B systems 11 months	Base: \$360K Stretch: Max \$180K 13 th & 14 th units @ \$40K ea. = \$80K 15 th & 16 th units @ \$50K ea. = \$100K Base: \$400K
FY06	14 W88 examinations and RAISIN/metallurgical reports Additional examinations and RAISIN/metallurgical reports above Base goal GTS Examination RAPTOR to RAISIN Average Duration Type A systems 4 months Type B systems 10 months	Base: \$360K Stretch: Max \$180K 15 th & 16 th units @ \$40K ea. = \$80K 17 th & 18 th units @ \$50K ea. = \$100K Base: \$400K

Assumptions

- Units evaluated as part of the W88 Qualification effort will be counted toward the six baseline units
- Functional requirements for W88 examinations from LANL do not change in a manner that increases workscope, reference E-Mail from Brad Meyer dated 3/18/03 and R-R7-H-0003 Terrazzo Boost system Requirements as revised per Advance Change Order ER20030002SR.
- Evaluation of W88 metallographic qualification testing by LANL takes no longer than 30 days, as defined by MOU between SRS & LANL, SRT-HTS-2003-00074-TL, dated August 21, 2003.
- FY05 and FY06 baseline may be impacted by reestablishment of a new Be processing area. The current design for moving the Be process employs design standards from the American Conference of Governmental Industrial Hygienists Industrial Ventilation Manual 21st Edition, Figure VS-35-20. It is assumed that design changes driven by Federal and State regulations regarding Be processing will not require a different design that results in additional workscope to be implemented.
- Reservoir Types: Type A is B61, W62, W78, W80, and W87ALT345; Type B is W76, W87ALT330, and B83 (based on beginning of FY04 stockpile configurations).

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Reservoir Surveillance and Testing

- Anomalies observed during metallurgical qualification or evaluation may require significant further evaluation. This could alter the scope/schedule of metallurgical evaluations on surveillance units at Design Agency direction. In the event further evaluation is required, the schedule duration for earning this PBI will be adjusted to add the additional time required by the Design Agency.
- Hold time pending Design Agency resolution is not included in the RAPTOR to RAISIN durations.
- In the event personnel or equipment is diverted away from the work scope of this PBI to address other higher priorities within the Surveillance Program, such as SFI resolution, the schedules and deliverables for this work will be renegotiated.
- If the SEM is damaged prior to delivery to SRS or delivery is delayed past 12/30/03 per Purchase Order AC38427 with JEOL USA, Inc., the FY04 goal contained in this PBI will be adjusted on a day-for-day basis.
- Changes in computer security requirements/variances that would impact the scope and/or schedule of work contained in this PBI would justify modifying the deliverables and/or commitment dates in this PBI.
- In the event the PBI milestones for TRIT-3 are not achieved per PBI schedule in a manner that impacts WSRC's ability to perform the work associated with this PBI, the deliverables associated with this PBI will be renegotiated with no loss of fee.
- Workscope required to characterize W-88 metallography work is not substantially greater than that outlined in the W88 Gas Transfer System Metallurgical Evaluation Qualification Intent Letter SRT-HTS-2003-00108.
- The waste disposal plan and requirements as currently defined in Defense Programs Waste Certification Plan, WSRC-IM-95-26, Revision 6, remain applicable.
- The annual W88 backlog reduction workload will be prioritized by agreement between LANL and SRS. In the event the workload changes during the year due to discoveries in metallurgical evaluation, any W88 GTS in process will be completed and counted towards the backlog reduction.
- If required by the Design Agency, metallurgical evaluations for the new 4T GTS will count towards accomplishment of this PBI, assuming similar examination scope to the 3T. If workscope is substantially different, an equivalent factor will be developed and utilized for credit towards this PBI.
- Results deemed unacceptable to Design Agencies due to WSRC error will not count toward PBI goals.

10/29/03



Department of Energy
Savannah River Operations Office
P.O. Box A
Aiken, South Carolina 29802

MAR 26 2003

Mr. R. A. Pedde, President
Westinghouse Savannah River Company
Aiken, SC 29808

Dear Mr. Pedde:

SUBJECT: Revision to the Performance Evaluation and Measurement Plan (PEMP) Part II for Westinghouse Savannah River Company, Contract No. DE-AC09-96SR18500 – Evaluation Period: October 1, 2000 through September 30, 2006

Enclosed is Revision 13 to the PEMP, Part II, Performance Based Incentives (PBI). This revision incorporates a change in the following PBI:

Change: NMFS-2, Complete the HEU Disposition Commitments relative to the Highly Enriched Uranium Program – This PBI is amended to reflect a change in the basis for fee under milestone NMFS2-IP224.

If you have questions, please call me or have your staff contact Rita Pernell at 803-725-9150 or Tom Reynolds at 803-725-1680.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jeffrey M. Allison", is written over the typed name.

Jeffrey M. Allison
Manager

SB-03-0043

Enclosure
PEMP Part II, Rev. 13

cc w/encl:
W. J. Johnson, WSRC, 703-H
H. T. Conner, Jr., WSRC, 730-1B
L. J. Hollick, WSRC, 703-A
W. S. Elkins, WSRC, 730-B

**PERFORMANCE EVALUATION AND MEASUREMENT PLAN (PEMP)
PART II OF II - PERFORMANCE BASED INCENTIVES (PBI)**

This part of the PEMP defines the criteria used to evaluate the contractor's performance in incentive areas. Guidance governing incentives is found in Part I, of this Plan. The incentives for this contract are listed below.

PBI NO.	TITLE	BASE STRETCH S-STRETCH	FY01-08 B/S ALLOC. FEE	REVISION
HLW-1	HIGH LEVEL WASTE SYSTEM PERFORMANCE	\$30,835,400	\$58,435,400	
		\$27,500,000		
		\$39,000,000		
HLW-2	HIGH LEVEL WASTE TANK SYSTEM CLOSURES	\$1,750,000	\$1,750,000	
		\$0		
		\$0		
HLW-3	HLW LINE ITEM PROJECT PERFORMANCE	\$0	\$1,500,000	
		\$1,500,000		
		\$0		
HLW-4	HIGH LEVEL WASTE AUTHORIZATION BASIS UPGRADE	\$2,300,000	\$3,000,000	
		\$700,000		
		\$0		
HLW-5	HLW LOW CURIE SALT WASTE DISPOSITION	\$0	\$20,175,000	
		\$20,175,000		
		\$0		
HLW-6	ACTINIDE PROCESSING FACILITY	\$0	\$0	
		\$0		
		\$0		
HLW-8	SLUDGE BATCH PREPARATION	\$0	\$0	
		\$0		
		\$4,400,000		
ER-1	REDUCE COST OF COMPLIANCE WITH ENFORCEABLE COMMITMENTS	\$6,800,000	\$17,950,000	
		\$11,350,000		
		\$0		
WOD-1	ACCELERATE TRANSURANIC (TRU) WASTE DISPOSAL	\$1,279,128	\$1,279,128	
		\$0		
		\$0		
WOD-2	REACH STEADY STATE OPERATIONS FOR HAZARDOUS/MIXED/LOW LEVEL WASTE	\$4,487,400	\$13,564,501	
		\$9,077,101		
		\$0		
WOD-3	REDUCE NEWLY GENERATED TRU/LOW LEVEL/MIXED/HAZARDOUS WASTE	\$1,500,000	\$3,000,000	
		\$1,500,000		
		\$0		
WOD-4	MOUND TRANSURANIC (TRU) WASTE DISPOSAL	\$240,400	\$240,400	
		\$0		
		\$0		

PBI NO.	TITLE	BASE STRETCH S-STRETCH	FY01-06 B/S ALLOC. FEE	REVISION
WOD-6	ACCELERATE TRANSURANIC (TRU) WASTE DISPOSAL	\$5,800,000	\$0	\$8,200,000
		\$2,400,000		
		\$0		
WOD-6	COST EFFECTIVE/RISK REDUCING ALTERNATIVE TO INCERATION FOR PUREX WASTE	\$350,000	\$0	\$1,000,000
		\$950,000		
		\$0		
SNF-1	RECEIVE/STORE/TRANSPORT PU/SNF IN SPT OF COMMITMENT SCHEDULES AND DEACTIVATE RBOF	\$12,825,000	\$0	\$21,375,000
		\$8,550,000		
		\$1,020,000		
SNF-2	OPERATE/ACCELERATE LEF TO SUPPORT DESIGN COMPLETION OF THE TREATMENT & STORAGE FACILITY	\$1,300,000	\$0	\$1,300,000
		\$0		
		\$0		
SNF-3	ELIMINATE INCREASED L-BASIN SECURITY CATEGORY 2 TO 1 ROLL UP COSTS	\$0	\$0	\$1,000,000
		\$1,000,000		
		\$0		
SNF-4	K-AREA MONITORED STORAGE (KAMS) PHASE IV	\$250,000	\$0	\$750,000
		\$500,000		
		\$0		
NMFS-1	COMPLETE/ACCELERATE DNFSB 94-1/2000-1 IMPLEMENTATION PLAN COMMITMENTS (Multiple Schedules)	\$55,550,000	\$0	\$72,125,000
		\$16,575,000		
		\$0		
NMFS-2	COMPLETE DNFSB 94-1/2000-1 IMPLEMENTATION PLAN & HEU DISPOSITION PLAN COMMITMENTS RELATIVE TO HEU PROJECT	\$8,500,000	\$0	\$8,500,000
		\$0		
		\$0		
NMFS-3	COMPLETE THE COMMITMENTS IDENTIFIED IN THE PROPOSED ROLLBACK INITIATIVES FOR CALENDAR YEAR 2001-2002	\$0	\$0	\$496,000
		\$496,000		
		\$0		
NMFS-4	COMPLETE REPLACEMENT OF CONSTANT AIR MONITOR IN FB-LINE	\$100,000	\$0	\$100,000
		\$0		
		\$0		
NMFS-5	F-AREA ACCELERATED SHUTDOWN	\$0	\$0	\$0
		\$0		
		\$0		
NMFS-6	ACCELERATED DEACTIVATION OF F-CANYON AND FB-LINE	\$15,750,000	\$0	\$25,000,000
		\$9,250,000		
		\$37,740,000		
NMFS-7	NMMD FY03 KEY MISSION ACTIVITIES	\$0	\$0	\$0
		\$0		
		\$2,670,000		

PBI NO.	TITLE	BASE \$STRETCH S-STRETCH	FY01-06 B/S ALLOC. FEE	REVISION
TRIT-1	RESERVOIR LOADING AND SHIPPING	\$10,800,000	\$10,800,000	
		\$0		
		\$0		
TRIT-2	RESERVOIR SURVEILLANCE AND TESTING	\$6,650,000	\$10,000,000	
		\$3,350,000		
		\$0		
TRIT-3	COMPLETE THE TRITIUM FACILITY MODERNIZATION AND CONSOLIDATION	\$2,900,000	\$2,900,000	
		\$0		
		\$0		
TRIT-4	COMPLETE THE TRITIUM EXTRACTION FACILITY	\$14,990,000	\$14,990,000	
		\$0		
		\$0		
TSD-1	TNX TRANSITION FROM OPERATIONS	\$275,000	\$275,000	
		\$0		
		\$0		
TSD-2	CLOSURE OF OPEN SECURITY FINDINGS	\$500,000	\$500,000	
		\$0		
		\$0		
FDD-1	INACTIVE FACILITIES RISK REDUCTION	\$150,000	\$300,000	
		\$150,000		
		\$0		
FDD-2	FOOTPRINT REDUCTION	\$0	\$0	
		\$0		
		\$11,250,000		
FDD-3	DECOMMISSIONING	\$2,000,000	\$4,000,000	
		\$2,000,000		
		\$0		
COMP-1	COMPREHENSIVE PERFORMANCE SPECIAL PERFORMANCE AREA	\$18,365,000	\$18,365,000	
		\$0		
		\$4,000,000		
PBI FEE ALLOCATED (BASE/STRETCH)			\$322,970,429	
ALLOCATED S-STRETCH			\$105,480,000	

The fee contained in the unallocated fee pool (see Part I, Attachment A):

AVAILABLE FEE POOL	\$327,955,000*
AVAILABLE FEE POOL w/ S-STRETCH	\$433,435,000
FEE ALLOCATED w/ S-STRETCH	\$428,350,429
UNALLOCATED FEE POOL	\$5,084,571

Approved:

Jeffrey M. Allen
 Jeffrey M. Allen, Manager
 Savannah River Operations Office

3/26/03
 Date

*Reflects final fee reductions taken by DOE.

CR030306

U.S. Department of Energy
Savannah River Operations Office
Performance Based Incentive

PBI

Section I

CR# CR030306 Title: PBI NMFS2 - Revision to IP224
Date 3/6/2003 Type: PBI Priority: Routine Class 1 Unit Closure
Impacts: PBI (Revision)
Program: NNSA
Impacts:

Section II: Description, Scope and Schedule Impacts

Change PBI NMFS2: Complete the HEU commitments relative to the Highly Enriched Uranium Program as follows:
In the Basis for Fee section titled NMFS2-IP224 under Fee and Type, Change "LS, \$1.75M based on loading for TVA of the first shipment of LEU" to read "LS, \$1.75M based on being ready to load for TVA the first shipment of LEU".

In addition, in the Definitions section on page 2 of 3, change the second burger dot to read "NMFS2-IP224, Begin disposition of pre-existing enriched uranium solution and enriched uranium solution resulting from Mk-16/22 SNF dissolution. This is defined as being ready to load, at SRS, the first shipment of Low Enriched Uranium solution to TVA.

Section III: Justification/Impact of Non-Approval

This change was requested by the DOE Contracting Officer and reflects the guidance from DOE in the 1/21/2003 letter S. Franks to R. A. Pedde (WA-03-025) "...WSRC will fully meet the intent of PBI NMFS2-IP224 upon authorization to proceed with loading operation..." attached and the additional guidance in the R. K. Hall to W. J. Johnson (UC-03-044) correspondence dated 2/25/2003 "...WSRC shall not proceed with loading awaiting further guidance from the Department of Energy" also attached.

Section V: WSRC Authorizations

Controller	P.S. KENNEDY	<i>Harry Kennedy</i>	Date 3/6/03
Program Execution	C.G. REYNOLDS	<i>C.G. Reynolds</i>	Date 3/10/03
Div/Dept Manager	<i>W.J. Johnson</i>	<i>W.J. Johnson</i>	Date 3/11/03
Business Unit Dir.	W.J. JOHNSON	<i>W.J. Johnson</i>	Date 3/12/03
CCB Chairman	H.T. CONNER JR	<i>H.T. Conner Jr.</i>	Date 3/12/03
WSRC President	R.A. PEDDE	<i>R.A. Pedde</i>	Date 3/12/03

Section VI: DOE-SR Authorizations

Approver	<i>D. B. Williams</i>	Date 3/17/03
Assistant Manager	S.M. FRANKS III	Date 3/17/03
Head Contract Authority	J.M. ALLISON	Date 3/12/03

CONTRACTING OFFICER *T.E. Reynolds* *T.E. Reynolds* DATE 3/21/03

1/15/02FY01-06 (Multi-Year) PBI NMFS2: Complete the HEU Disposition Commitments relative to the Highly Enriched Uranium Program

DOE-SRS Manager: S. M. Franks

WSRC Manager: W. J. Johnson

HQ Point of Contact: Dave Nulton, NA-26, (Dean Tousley)

Technical Point of Contact: M. G. Schwenker

Fee for Base Performance: \$8,500,000

Fee for Stretch Performance: NONE

Description of Work: Westinghouse Savannah River Company (WSRC) must meet the commitments towards completion of the stabilization program and commitments toward implementation of the Interagency agreement with the Tennessee Valley Authority.

Goal/Objective:

DOE's objectives are to complete the stabilization activities at SRS as committed to by the Secretary of Energy, and where feasible, accelerate these activities and to satisfy the Record of Decision for surplus HEU disposition. DOE has entered an agreement with the Tennessee Valley Authority (TVA) for specific deliverables related to these materials. The Off-Spec HEU Blend Down Project (Line Item 01-D-407) critical milestones will need to be achieved in order to accomplish the stabilization and blend down the material for delivery to TVA; therefore interim project milestones will be included in this PBI. This PBI recognizes the importance of the TVA agreement and focuses attention on the key activities necessary for successful completion of the project within baseline.

The materials identified in the DNFSB recommendation were characterized as a potential safety concern in the Interim Management of Nuclear Materials Environmental Impact Statement. The Secretary of Energy has committed to stabilizing these materials by specific dates in the DNFSB 94-1 (rev 3) / 2000-1 IP. The actions documented in the IP are high priority departmental commitments.

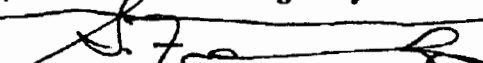
Basis for Fee:

WSRC can earn incentive fee of:

Function	Base	Fee & Type
NMFS2-A: Complete Definitive Design (CD-3)	1/17/02	Progress (PP), \$500K WSRC can earn an Interim Provisional Payment of 50% of the fee (\$250K) for completing preliminary design (35% of design effort) and the project baseline package by 9/11/01. Reduced fee can be earned on this PBI through 4/19/02 (see table).
NMFS2-IP224: Begin disposition of pre-existing enriched uranium solution resulting from Mk-16/22 SNF dissolution	3/31/03 (a,b,c)	LS, \$1.75M based on loading for TVA of the first shipment of LEU.
NMFS2-E: Begin disposition of enriched uranium solution resulting from unirradiated Mk-22 fuel and other HEU feeds.	3/31/04 (a,c)	LS, \$1.75M Based on completing the Readiness Assessment and the first dissolution of the Mk-22 fuel.

Revise to read:

LS, \$1.75M based on being ready to load for TVA the first shipment of LEU.


DOE - AM/NN/SA DOWN


WSRC - President

~~Procurement Sensitive~~

FY03 New Revised PBIs.max

PEMPlir13.max

NMFS2-D: Disposition of enriched uranium solution.	9/30/06 (a,c)	PP, \$3.5M prorated on total uranium weight shipped based on agreed upon shipping schedule. Quarterly Progress Payments will be based on meeting the agreed-upon schedule, subject to Change Control. Progress Payments will begin with completion of NMFS2-IP224. If a shipment is delayed due to WSRC, no payment will be received for that quarter, however, if the Fiscal Year total is shipped in accordance with the schedule, the fee will be available for payment at the end of that Fiscal Year.
NMFS2-F: Complete shipment of ingots off-site for disposition	9/30/06 (a)	PP, \$1.00M prorated on number of ingots prepared for shipment offsite. Progress Payments (on a quarterly basis) will be based on meeting the agreed-upon schedule.
Total Fee \$8.5 Million		

- (a) Dates are based on the approved CD-2 baseline estimate, schedule and associated funding profile. Any revision to the proposed funding profile will result in re-negotiation of the PBI's.
- (b) The date is based on WSRC receiving Natural Uranium from TVA for blending operations. The Natural Uranium must meet the specification per the Interagency Agreement. In addition the Natural Uranium must be delivered to SRS on schedule to support the milestone date (3/31/03) for shipment of LEU to TVA. This date is 1/06/03. Any delay in the 1/06/03 date for receipt of NU to SRS will result in a day for day slip in the 3/31/03 milestone and may result in re-negotiation of the remaining PBI's.
- (c) The date is based upon the ability of TVA to receive the material. Any delay in the ability of TVA to receive the material may result in a re-negotiation of the PBI's.

Assumptions:

- Ram Commitments
- NM-2-1d Modify the TVA Interagency agreement as appropriate for Highly Enriched Uranium (HEU). 12/31/03
- MM-2-e2 Ensure viability of TVA or alternate option for additional HEU disposition. 06/30/05

Definitions:

- NMFS2-A Complete definitive design - Complete and issue for Construction and Procurement the WSRC-approved design documents required to execute the scope of work defined in the Conceptual Design Report as modified for ingot shipments to TVA.
- NMFS2-IP224, Begin disposition of pre-existing enriched uranium solution and enriched uranium solution resulting from Mk-16/22 SNF dissolution. This is defined as loading, at SRS, of the first shipment of Low Enriched Uranium solution for TVA.
- NMFS2-E, Begin disposition of enriched uranium solution resulting from unirradiated Mk-22 fuel and other HEU feeds. This is defined as completion of the Readiness Assessment to allow the Mk-22 fuel to be placed in the dissolver. Payment will be made when the first fuel bundle is placed in the dissolver.
- NMFS2-D, Disposition of enriched uranium solution. Shipment of HEU blended down to LEU solution. The total estimated quantity of LEU solution to be shipped by 9/30/06 is 171,107 kg at 4.95% U-235 from the combined sources of pre-existing HEU solution and dissolution of irradiated and unirradiated Mk-16/22 assemblies and other HEU items. Prorated payment at a rate of \$20.50 per kg U will be made at time of shipment based on total uranium weight shipped. Basis for this fee includes the scope of work required to transfer and dissolve the unirradiated Mk-22 material and to process and load the full scope of material covered by this task. Schedule for progress payments based on kg of LEU shipped as negotiated in the Interagency Agreement delivery schedule, which are renegotiated every six months. DOE will engage WSRC in these negotiations.
- NMFS2-F Complete shipment of ingots off-site for disposition. All identified ingots are shipped from SRS. Prorated payments (quarterly) will be made based upon an agreed upon shipping schedule. These payments will be based upon the number of ingots shipped (\$172/ingot).

See Insert A

Insert A

Revise to read:

NMFS2-IP224, Begin disposition of pre-existing enriched uranium solution and enriched uranium solution from MK-16/22 SNF dissolution. This is defined as being ready to load, at SRS, the first shipment of Low Enriched Uranium solution to TVA.


DOE - ~~AMNNSA~~ - DNN


WSRC - President

Base Performance:

This portion of the incentive identifies the importance of the contractor maintaining the schedules and activities to show progress towards meeting the DOE stabilization goals and ensures timely shipment of this product as agreed to with TVA.

Satisfactory Performance Relative to Conditional Payment of Fee:

A minimum performance level is required and is defined below for this PBI. The impacts to this PBI due to directed changes must be evaluated and terms of this satisfactory performance level Changed Controlled as appropriate.

Satisfactory performance for project work (NMFS2-A) utilizes the earned value method, as follows:

Sat performance = 80% of activities completed within any given year to achieve the dates in the fee payment table below, or CPI/SPI > or = 0.80 (Schedule subject to change control)

Satisfactory performance for NMFS2-IP224 is considered to be progress sufficient to ensure loading, at SRS, of the first shipment of LEU for TVA by 3/31/03.

Satisfactory performance for NMFS2-E is considered to be progress sufficient to begin disposition of enriched uranium solutions resulting from un-irradiated Mk-22 fuel by 6/30/04.

Satisfactory performance for NMFS2-D, and NMFS2-F is defined as meeting the Fiscal Year goals as developed in accordance with the Interagency Agreement with TVA.

Fee Table

HRU Milestone Description	Base Fee	100% Fee Date	90% Fee Date	70% Fee Date	50% Fee Date
NMFS2-A	\$500K Base	01/17/02	2/16/02	3/19/02	4/19/02
NMFS2-IP224	\$1.75M	03/31/03	None	None	None
NMFS2-D	\$3.5M Base	09/30/06	None	None	None
NMFS2-E	\$1.75M Base	03/31/04	4/30/04	5/31/04	6/30/04
NMFS2-F	\$1.00M Base (\$172/ingot)	09/30/06	None	None	None

JK
JH Note: Should this PBI be cancelled or modified for any reason other than contractor non-performance, i.e., that which is clearly within its control and not due to the actions/reactions of other parties, the imposition of unplanned funding restrictions or reductions, etc., unpaid fee will be returned to the contract unallocated fee pool. Based upon the percentage of work completed, a proportion of the fee from a cancelled or modified PBI shall be paid to properly compensate for PBI work accomplished by the contractor prior to the cancellation or change.

2/29/02
[Signature]
S. M. Franks
Acting Director, Office of Defense
Nuclear Nonproliferation

3/30/02
Date

[Signature]
W. J. Johnson
Vice President and General Manager
for Nuclear Materials Management

9/30/02
Date

FY05 - 06 PBI NNP01: Complete Integrated Site Preparation Activities

DOE-SR Manager: S. M. Franks
HQ Point of Contact: Joseph Olencz, NA-26

WSRC Manager: J. G. Angelos
Technical Point of Contact: R. R. Viviano

Fee: \$ 2,500,000

Description of Work: Westinghouse Savannah River Company (WSRC) will complete the Integrated Site Preparation for the Plutonium Disposition Program. The Plutonium Disposition Program (PDP) is comprised of three major facilities; the Pit Disassembly and Conversion Facility (PDCF), the Mixed Oxide (MOX) Fuel Fabrication Facility, and the Waste Solidification Building (WSB).

Completion Date: 16 months after start of major earthwork activities. NNSA authorization is required to proceed with the major earthwork activity.

Goal/Objective: The Plutonium Disposition Program is comprised of three facilities. All of these facilities are currently in some stage of design completion with their physical location planned for three adjacent sites north and east of F-Area at the Savannah River Site (SRS). While the three facilities are independent operations, there are many interdependencies between them. The close proximity of the facilities to each other present an opportunity to integrate the development of the individual sites into one site development activity with economics of scale expected for major earthwork operations.

Basis for Fee: WSRC can earn the fee by completing the integrated site development for the PDP site as defined in the Construction Start Plan (WSRC-RP-2004-00177, rev. B), phases 0 thru 4. Provisional and progress payments are available at the completion of critical phases in the site preparatory task. These critical phases and the associated available fee and type are defined as:

1. Completion of the major planning activities required for procurement and earthwork. The fee available for this is \$250,000. This is a provisional payment until completion of the preparatory and utility activities.
2. Completion of the preparatory and utility activities required for the major earthwork activity. The fee available for this progress payment is \$750,000.
3. Completion of the major earthwork activity. The fee available for completion of this activity is \$1,500,000.

Definitions:

1. Completion of the major planning activities is defined as:
 - Completing the Integrated Site Development Site Plan (WSRC-RP-2004-00177, rev. 0)
 - Completing the Environmental Well Mitigation Program Plan
 - Complete the Tabletop Erosion Control Plan
 - Complete the APSF Spoil Pile Relocation Procurement Package
 - Complete the Loop Road (South Portion) Procurement Package
 - Complete the Loop Road utilities Procurement Package
 - Complete the Clear and Grub Procurement Package
 - Complete the Trailer Relocation Procurement Package

Completion of the Construction Start Plan, the Well Mitigation Program Plan, and the Tabletop Erosion Control Plan is defined as approval of the plans by NNSA. The definition of completion of the procurement packages is defined as NNSA approval of the request for proposal packages.

2. Completion of the preparatory and utility activities is defined as:
 - Complete the APSF Spoil Pile Relocation
 - Complete the Loop Road (South Portion)
 - Complete the Loop Road Utilities
 - Complete the Trailer Relocation

Completion of the loop road (south portion) to include the first course of gravel, stable aggregate base per drawing C-CK-F-1303, rev. 1. Completion of the loop road utilities includes relocation of a fire hydrant and steam

line and turnover to site utilities. Trailer relocation includes trailers 245-10F, 245-12F, 245-7F, 245-8F, 245-9F, 245-14F, and 245-15F.

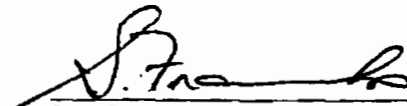
3. Completion of the major earthwork activities is defined as completion of clear and grub as defined on DCS drawing DCS01-XGP-DS-PLG-00296, rev. A. Award of the earthwork contract, completing the earthwork per the Construction Start Plan (WSRC-RP-2004-00177), phases 0 thru 4 which includes the MOX site per design drawing DCS01-XGP-DS-PLG-G-00296, rev. A. Also the north portion of the loop road complete with the first course of gravel and the site development working area.

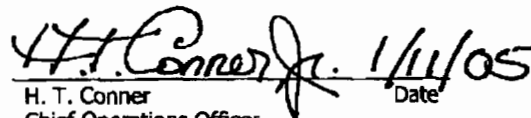
Basis for Performance Measurement: The basis of performance measurement for the planning activities is completion of the task which shows progress towards achieving completion of the major earthwork activity. NNSA is to provide the necessary funding to complete the construction start activities. If funding is not provided to complete the tasks as defined and scheduled, including the awarding of contracts, this PBI will be renegotiated.

The basis of performance of the preparatory and utility activities is completion of the tasks per the awarded contracts with approved changes.

The basis of performance for the earthwork is completion of the task per the awarded contract with approved changes.

The scope of this PBI is based on design information from other NNSA contractors. Any change in scope may result in a request for equitable adjustment to the PBI by WSRC or modification/cancellation of the PBI by NNSA. Also, in performance of the preparatory and utility tasks as well as the earthwork, differing site conditions may be encountered which are outside the forecasted plan (e.g., archeological sites, legacy material, etc.) and not reasonably foreseeable by WSRC. These conditions must be documented in a timely manner and identified to NNSA. Such differing conditions may entitle WSRC to an equitable adjustment to the PBI.


S. M. Franks
NNSA, Office of Defense
Nuclear Nonproliferation
Date


H. T. Conner
Chief Operations Officer
Date 1/11/05

**PERFORMANCE EVALUATION AND
MEASUREMENT PLAN
PART II OF III**

SECTION B -ENVIRONMENTAL MANAGEMENT (EM) CLEAN-UP INCENTIVE

INDEX

PARAGRAPH

- 1.* FEE
- 2.* GENERAL DESCRIPTION
- 3.* MINIMUM AND THRESHOLD PERFORMANCE REQUIREMENTS
- 4.* PROVISIONAL FEE PAYMENT SCHEDULE AND ADJUSTMENTS FOR EM
WORK
- 5.* FINAL FEE DETERMINATION
- 6.* INVOICING
- 7.* PROJECT CONTROL SYSTEMS AND REPORTING
REQUIREMENTS FOR EM CLEAN-UP INCENTIVE
- 8.* GENERAL CONCEPTS/PRINCIPLES
- 9.* GOVERNMENT FURNISHED SERVICES AND ITEMS (GFSI)
- 10. EM CLEAN-UP INCENTIVE STATEMENT OF WORK
- 11.* PERFORMANCE OF CASE B F-CANYON WORK SCOPE AND AUTHORIZATION
OF CASE-A F-CANYON WORK SCOPE

Note: Items marked with asterisks (*) cannot be unilaterally changed by the Government. Modification of these sections requires the mutual agreement of the parties.

1. **FEE**
TARGET FEE: \$359,166,414
MAXIMUM FEE: \$548,000,000

2. **GENERAL DESCRIPTION:**

The performance requirements covered by the EM Clean-Up Incentive are generally described in Section C of the contract with the detailed clean-up requirements defined herein. The evaluation period covered by this Clean-Up Incentive is from October 1, 2002 through September 30, 2006 with an option to extend to November 30, 2006.

The EM Clean-Up Incentive is a single comprehensive incentive for performance of all identified work within the EM Program. The incentive is a project-based incentive under which the contractor earns fee as it progresses toward completion of the Target and Maximum performance requirements.

The contractor is required to develop an EM project cost and schedule baseline (EM Contract Performance Baseline) for completion of the Target Site requirement and submit that baseline to the Government for review and approval within 60 days after establishment of the incentive (which is the signing of contract Modification No. M100). Based on the changes incorporated into Modification No. 120, the EM project cost baseline will be revised based upon a pre-established amount of funds of 4,833,722,000 for performance through November 30, 2006, with a Target cost amount of \$4,472,815,150. The schedule baseline will reflect the scheduled completion dates for work as described in Part II-B of the PEMP. The overall project baseline will include all performance requirements including those identified in Part II-B of the PEMP, comprised of multiple sub-projects, each with its own cost and schedule. The Contract Performance Baseline submittal will include a description of how physical completion of work (earned value) will be measured, based on the specific nature of the work being performed. The Government will approve the method of earned value measurement for the sub-projects concurrent with approval of the Contract Performance Baseline.

The baseline will be the basis for measurement of progress and payment of fee. Although project progress will be measured on an individual sub-project basis, fee will be paid against the cumulative overall project schedule performance versus the target baseline.

Because the cost and contract term is fixed, the primary measurement tool of project completion will be schedule. Although cost will be reported and monitored at the sub-project level, total project completion will depend upon meeting or exceeding the sub-project schedule baselines. Provisional fee payments have been scheduled on a quarterly basis at \$18,400,000 (October 1, 2002–June 30, 2004) and \$17,797,000 (July 1, 2004–November 30, 2006). The actual quarterly payment will be dependent upon the contractor's progress against the overall project schedule. If the contractor reports a positive cumulative project schedule variance and it is validated by the Government, this will indicate that the contractor is achieving more work than contemplated in the Target

case. The quarterly provisional fee payment would then be increased, subject to paragraph 4 below, and could result in the contractor being able to earn above the negotiated Target Fee as the contractor progresses toward completion of the Maximum work condition. Conversely, negative cumulative schedule variances will mean the contractor is not on schedule which could result in a quarterly provisional fee payment reduction as the variance would indicate less than the Target site condition may be achieved, as provided for in paragraph 4 below. A Threshold condition has been established in order for the contractor to earn any fee above the Target fee as a final fee as set forth in paragraphs 3 and 5 below. Further certain Minimum Performance Requirements have also been established.

3. MINIMUM AND THRESHOLD PERFORMANCE REQUIREMENTS

Threshold Requirement: The final fee payment shall be subject to the contractor's achievement of a "Threshold" condition, which is: Completion of the work identified in the EM Clean-Up Statement of Work paragraphs: 4.2.0, 4.2.1- F-Canyon Work Scope, and the decommissioning of F Area facilities. This Threshold Requirement is based on the Target site conditions established for the F-Area work identified in Paragraph 6.0 and Table I.8 of the EM Clean-up Statement of Work. If the contractor has not achieved the required Threshold condition, then the final payment will not in any event exceed the Target Fee amount, regardless of work completed above the Target site condition.

Minimum Performance Requirements: The following minimum levels of performance must be completed by the end of the contract term. Failure to achieve all of the following may result in the Contracting Officer invoking the provision of the Section I clause entitled, Conditional Payment of Fee, Profit or Incentives, paragraph (c)(i). Less than acceptable performance referenced in subparagraph c(ii) shall be addressed under the Section E clause entitled, Inspection of Services – Cost Reimbursement. The work expectations for the following are defined in the EM Clean-Up Statement of Work:

<u>Work Requirement</u>	<u>Minimum Performance Requirement</u>
1. DWPF Canisters Produced	660 Canisters
2. EM Mission Completed in H Canyon	6.8 MT
3. TRU Waste dispositioned	2,500 cubic meters
4. LLW/HW/MW dispositioned	3,000 cubic meters
5. Disposition of salt solution*	500,000 gallons of properly adjusted salt solution**

*Achievement of this minimum performance requirement requires successful completion of DOE actions as follows: (1) DOE must resolve open legislative authority issues regarding use of the WIR process in DOE O 435.1 and must authorize WSRC to use the 435.1 process (or one with equivalent classification authority); (2) DOE must issue required NEPA documentation and RODs in a timely fashion, if required, to implement the target scope in the contract and (3) DOE must fund and proceed with design and construction of the Salt Waste Processing Facility to ensure regulatory support for WSRC

required permits. This minimum performance requirement does not apply if DOE actions fail to support the following deliverables in support of the salt processing strategy defined in the SR January 22, 2004 letter of direction to WSRC

- SCDHEC approval of Construction Permits by 12/1/04 for Solid Waste Construction Permit for Vault 2, Industrial Waste Water Construction Permit for MAVRC and Construction Air Permit for MAVRC.
- SCDHEC approval by October 1, 2005 for Solid Waste Landfill operating permit for Vault 2, Industrial Waste Water Operating Permit for MAVRC, Title V Air permit for MAVRC, and the Vault Equivalency permit.
- DOE approval to proceed with Low Curie Salt disposition in Saltstone by 10/01/05.

** Salt Solution volume is defined as dissolved salt cake or supernate adjusted with recycle, IW, or chemical solutions to meet the Saltstone permit, Saltstone WAC, and existing Saltstone chemical and radiological processing requirements. This low curie processing does not require treatment with Actinide Removal or CSSX module to prepare the feed to Saltstone, but those treatments may be used.

4. PROVISIONAL FEE PAYMENT SCHEDULE AND ADJUSTMENTS FOR EM WORK

a. Scheduled Provisional Fee Payments for EM Work

Provisional fee payments will be made in 17 quarterly increments, covering the period October 1, 2002, through December 31, 2006, at a Target Fee amount of \$359,166,414. Quarterly provisional fee payments will be in the amount \$18,400,000, (October 1, 2002–June 30, 2004) and \$17,797,000 (July 1, 2004–November 30, 2006) subject to adjustment as provided herein and by the terms of the contract.

The EM quarterly provisional fee payments for the three quarterly performance periods April through June 2003, and July through September 2003, and October through December 2003 will not be adjusted based upon schedule variance (i.e., an SPI = 1.0), but are subject to all other terms and conditions.

All subsequent EM quarterly fee payments may be adjusted based on the evaluation criteria identified below or in accordance with other applicable terms and conditions of the contract.

At the end of each of the first two months of each quarter, the contractor is authorized to draw down against the letter of credit a provisional fee payment of \$6,000,000 as a credit towards the quarterly invoice of \$18,400,000. (October 1, 2002–June 30, 2004) and \$17,797,000 (July 1, 2004–November 30, 2006). No other fee payments shall be drawn down from the Letter of Credit (if any) without the specific written approval of the Contracting Officer and the quarterly payment may be adjusted as provided for in accordance with the contract terms and the terms of this incentive. In the event a quarterly payment is approved at less than \$12,000,000 the contractor shall refund the

difference as provided for in Section B.2b of the contract Schedule. After payment of 85 percent of the applicable projected total fee, the Contracting Officer may withhold further payment of fee until a reserve is set aside in an amount that the Contracting Officer considers necessary to protect the Government's interest. This reserve shall not exceed 15 percent of the total projected fee to be earned.

b. Provisional Quarterly Fee Payment Adjustments and Reductions

The Contracting Officer (CO) may adjust the provisional quarterly fee payments made after September 30, 2003, based on the validated, cumulative earned value schedule variance (from the effective date of Modification No. M100 and M120), and the schedule status of the Threshold performance requirement stated in paragraph 3 above entitled, **Minimum and Threshold Performance Requirements, as well as the most probable final SPI to be achieved during the contract term in making the adjustment determination.** Each control level subproject under the overall project has a defined cost and schedule baseline. The sum of the sub-projects cumulative earned value will be used to determine the total cumulative earned value for the overall project (i.e., total contract performance). Details of measurement and management of the incentive are discussed in paragraph 9 entitled, **Project Control Systems and Reporting Requirements for EM Clean-Up Incentive.** In determining the appropriate adjustments to the provisional fee payment, the CO will use the following earned value definitions in making the adjustment determinations::

Earned Value is equal to the Budgeted Cost of Work Performed (BCWP)

Schedule Variance (%) is equal to the Budgeted Cost of Work Performed (BCWP) minus the Budgeted Cost of Work Scheduled (BCWS) divided by BCWS times 100%.

Schedule Performance Index (SPI) is equal to the BCWP divided by the BCWS

Quarterly fee adjustments will generally be made based upon the direct mathematical relationship of Schedule Performance Index (SPI) to Target and Maximum fee, e.g., a SPI of 1.0 would indicate the contractor may be entitled to the full amount of the established quarterly payment. The formula will be derived from the relationship of cumulative SPI to the BCWS and fee associated with the work included in the maximum site condition Statement of Work. A linear formula will be developed using the approved Contract Performance Baseline data to define this relationship to permit progressively earning towards the Maximum Fee when the SPI is greater than 1.0, subject to satisfying the Threshold requirement. The formula will be agreed upon between DOE and the contractor after DOE approval of the EM Contract Baseline and prior to the payment of the first quarter FY04 invoice. Further a linear relationship between the Target fee and a SPI of 0.84 will be established such that the quarterly fee payment equates to the cumulative SPI multiplied by the quarterly fee payment. Between a SPI of 0.84 and 0.70, a linear relationship will be established such that

the fee for performing at the 0.70 level does not exceed \$167,677,902 (the balance of EM incentive funding left under the original FY 2001 – 2006 Fee Pool.) The formula will further provide that the fee will be further reduced on a linear basis from \$167,677,902 to \$0 between a SPI of 0.70 and 0.60. SPI variances above or below 1.0 would indicate a positive or negative adjustment to the quarterly payment is appropriate, subject to the status of performance and progress made on the Threshold performance requirement. If on a quarterly basis the cumulative SPI is greater than 1.0, but progress on the Threshold requirement is less than an SPI of 1.0, then the CO may elect not to increase the quarterly fee payment above the \$18,400,000 (October 1, 2002–June 30, 2004) and \$17,797,000 (July 1, 2004–November 30, 2006) level unless adequate explanation exists for the Threshold schedule variance which provides the CO with a reasonable expectation that the Threshold variance will be corrected by the end of the contract term. As quarterly payments are made, the contractor may earn above the Total Target Fee amount, provided the cumulative SPI is above 1.0 and the Threshold requirement is projected to be completed on schedule.

Adjustments made in one quarterly payment, either positive or negative, may be offset in subsequent quarterly payments such that the sum of the quarterly fee payments reflect the Contracting Officer's judgment of the contractor's total progress towards achievement of the Target or Maximum site condition requirements. That is, a negative adjustment in one quarter may be restored by a positive adjustment in a subsequent quarter if progress has been restored on the overall project, including progress on the Threshold performance requirement, e.g., if the cumulative SPI at the end first quarter was .95, the quarterly fee payment of \$18,400,000 may be reduced by 5% to \$17,480,000. If at the end of the following quarter the cumulative SPI had increased to 1.02, the quarterly fee payment may be adjusted upward to recapture the \$920,000 reduction from the previous quarter plus an appropriate amount for the additional SPI above 1.0.

The objective of the above process is to attempt, on a quarterly basis, to adjust the cumulative fee payment upward or downward in line with the projected final SPI for the total incentive. In making a decision to adjust the quarterly fee payment from the invoiced amount, the Contracting Officer shall consult with DOE-SR technical personnel and the contractor to understand the technical progress made and the performance challenges remaining in order to make an informed judgment of the most probable final SPI for the total incentive. Because the Quarterly fee payment is based upon a cumulative SPI calculation, the SPI number upon which the Contracting Officer makes a Quarterly payment also represents the best known, probable fee liability to the Government at the end of the contract term. The Contracting Officer shall identify to the contractor in writing, either in the Quarterly payment authorization or by separate letter, the SPI number upon which the quarterly payment is based. That SPI number shall serve as the accounting basis for the accrual of fee for the following six month period, unless after consultation between the Contracting Officer, DOE-SR Technical personnel and the Contractor, the Contracting Officer otherwise provides direction to the Contractor. Because the Minimum Performance Requirements are captured in the overall project progress, they would not normally serve as a basis for a quarterly payment adjustment

since they represent an "end state" condition at the end of the contract term. However, if performance towards a Minimum requirement was such as to endanger overall contract performance, the Government may take appropriate action under the contract terms, including an adjustment to the quarterly fee payment(s).

The Contracting Officer will provide the contractor a written statement explaining the basis of any adjustments made in a provisional quarterly fee payment.

5. FINAL FEE DETERMINATION

- a. The final fee determination will be calculated by the CO subsequent to the end of the final evaluation period, i.e., November 30, 2006, (except as that date may be adjusted as provided for in Special Contract Clause H.11(p)). The final fee determination will be based on the cumulative progress made towards completion of the Target site condition and towards the Maximum site condition set forth in the EM Clean-Up Statement of Work in Part II-B of the PEMP. It is recognized that in the calculation of cumulative progress some work may not have met the Target site condition while other work may have been above the Target condition. The final fee payment will be based upon overall progress and will reflect the difference between the final fee determination minus the sum of quarterly provisional fee payments made during the period of the contract, subject to paragraph (b) below, and shall be subject to the Clause in Section I entitled, Obligation of Funds. If the sum of quarterly provisional fee payments made during the period of the contract is greater than the overall fee that is calculated by the CO in his/her final fee determination, the contractor shall reimburse the amount of fee already paid that is greater than that earned and shall pay interest to the DOE in accordance with the clause in Section I entitled, Interest.
- b. The final fee payment shall be limited by the Maximum Fee of \$548,000,000, subject to the contractor's achievement of the Minimum Performance Requirements and Threshold requirement as established in paragraph 3 above entitled, **Minimum and Threshold Performance Requirements, and paragraph (a) above.**

6. INVOICING

The quarterly provisional fee payments will be authorized by the Contracting Officer within 30 calendar days after receipt of a proper invoice. To be proper, the invoice submitted by the contractor must identify the amount due, adjusted to reflect the actual positive or negative cumulative schedule variance against the Target site condition. The invoice must identify how the variance calculation was performed in sufficient detail for the Government to validate the work completion.

**7. PROJECT CONTROL SYSTEMS AND REPORTING REQUIREMENTS
FOR EM CLEAN-UP INCENTIVE**

7.1 Project Control System

- a. The contractor shall propose a project structure that achieves safe and accelerated clean-up in the most cost-effective manner. The contractor shall establish, maintain and use a project control system that accurately reflects the project status relative to cost and schedule performance, and tracks changes to the baseline. This system shall be integrated with the financial accounting systems to ensure consistent reporting of costs. The contractor shall maintain a project control system in accordance with the following requirements:
- (1) Where applicable to requirements as issued on October 13, 2000, DOE Order 413.3, Program and Project Management for the Acquisition of Capital Assets;
 - (2) Integrated Planning, Accountability, and Budgeting System Information Systems (IPABS-IS) Data Requirements, December 18, 2000;
 - (3) Integrated Planning, Accountability, and Budgeting System (IPABS) Handbook, February 16, 1999;
 - (4) HQ Baseline Change Control guidance per EM-1's (Jessie Roberson) letters of December 19, 2002, and February 6, 2003; and
 - (5) The Contract Performance Baseline is defined within the following parameters:
 - i. The cost shall reflect the Target Cost of \$4.460 billion (this does not include target fee)
 - ii. The schedule is bounded by the incentive completion date of November 30, 2006
 - iii. The scope includes all scope in the Target site condition plus the incremental scope to achieve the Maximum site condition.
 - iv. The Contract Performance Baseline will serve as the basis for the contractor's portion of the EM Lifecycle Baseline through the contract period
 - v. Earned value calculations are based on the physical completion of work and measured against the Target site condition.
- b. The contractor shall ensure the project control system employs a cost effective, graded application of controls. The existing project control system will be used and modified, as necessary, to achieve compliance with the requirements of the contract as established in this section. The contractor shall submit a description of the Project Management System within 60 calendar days after execution of this contract modification. A description of DOE Order 413.3 implementation approach shall be included in this submittal.

7.2 Baseline Development and Cost Collection

- a. The contractor shall develop and submit a draft Contract Performance Baseline consistent with the terms and conditions of this contract within 60 calendar days after execution of this contract modification. The annual scope will be aligned to the annual funding amounts described in Part I of the PEMP. The Contract Performance Baseline shall also include all work scope to be completed through the Maximum Site condition case, and shall include schedule and cost Budgeted Cost of Work Scheduled (BCWS) consistent with the methodology used for the development of the baseline at target condition. The baseline will be developed such that work scope required to achieve the Target site condition will be completed by November 30, 2006. (Note: Selected work scope has been identified for completion by September 30, 2006.) The increment of work between the Target site condition and the Maximum site condition may be scheduled for completion beyond the contract term. The Contract Performance Baseline submittal will include a description of how physical completion of work (earned value) will be measured, based on the specific nature of the work being performed. Earned value will be given to all EM work covered by the contract and EM Clean-Up Incentive based upon the budgeted cost of the work, including level of effort activities (which shall include indirect site overhead activities and limited functions within operational activities, as appropriate).
- b. The EM Contract Performance Baseline will be reviewed and approved by the DOE. This review will include reviewer(s) outside of the Department and thereby satisfy DOE Order 413.3 requirements for External Independent Review (EIR). Execution of this contract modification and approval of the Contract Performance Baseline will constitute CD-3 approval per DOE Order 413.3.
- c. Cost estimates shall be integrated with the WBS where applicable and use estimating methodologies consistent with DOE Order 413.3. Costs shall be discernable by Budget and Report (B&R) code, direct, indirect (including fee). The project control system must maintain capability to provide Total Estimated Cost (TEC), Total Project Cost (TPC), Estimates-to-Complete (ETC), and Estimates-at-Completion (EAC).
- d. All EM project work scope shall be included regardless of funding source. Schedules shall integrate the Contract Performance Baseline by PBS. Each PBS will have an assigned duration. Activity logic links shall depict all work scope constraints and decision points and shall be integrated into a total project network schedule. The project schedule shall clearly depict critical path activities and milestones. Activities shall be resource loaded at the lowest practical level, but at least one level below the PBS.
- e. The contractor shall analyze any DOE proposed or directed funding changes for their impact on scope, schedule, and cost elements of the baseline.
- f. RESERVED

- g. Prior to the release of funds for each fiscal year, DOE will analyze the baseline for that fiscal year. By June 30 each year, the DOE will provide an estimate of any budget restrictions or specific technical or schedule guidance for the upcoming fiscal years through the remainder of the project. The contractor shall prepare a baseline impact forecast for all upcoming fiscal years from the approved Contract Performance Baseline. The contractor shall submit budget allocations to each PBS for the upcoming fiscal year with a focus on differences to the work activities described in the Contract Performance Baseline for that specific year. This deliverable is known as the Yearly Forecast Plan (YFP), as derived from the Contract Performance Baseline.
- h. Each month, the contractor shall provide schedule variance explanations for differences between planned and actual performance against the Contract Performance Baseline PBS's and selected subprojects (to be defined in the Contract Performance Baseline documentation submittal). Performance analysis techniques shall be commercially accepted and documented, and shall utilize earned-value methods. Performance measurements (i.e., quantities) are preferred for all technical work scope unless otherwise approved by the CO. For cumulative negative schedule variances greater than 10%, the analysis shall detail the causes for variance, impact on other PBSs and corrective action required.
- i. The Estimate At Completion (EAC) for the active projects shall be evaluated at least semi-annually to ensure that it is consistent with observed trends in performance, emerging or resolved issues, and changes in the assessment of project risk. This evaluation will follow the established site practices.
- j. Costs shall be collected at a charge number level and be able to be summed through the WBS and B&R. Mischarges on time cards or other administrative or accounting errors shall be corrected in a timely manner.

7.3 Project Reporting

- a. The contractor shall provide monthly status reports on each PBS and the Contract Performance Baseline in a format approved by the CO. At a minimum, the status shall include: basis of the earned value, actual cost, schedule variances per paragraph 7.2(h), the status of major milestones, and critical technical or programmatic issues. On a quarterly basis the contractor shall include an analysis of any EAC variance greater than 10% in the status report.
- b. Semi-Annual Critical Analysis (SACA). Twice each year (approximately once per six months) the contractor shall prepare and submit a comprehensive PBS review that critically analyzes the overall status of the Contract Performance Baseline as well as any key metrics. This review shall include overall narrative summaries, analysis of schedule trends and project float, critical path performance, analysis of critical manpower skills of other resources, budget and funding figures, and project risk updates.

- c. Plans and reports shall be prepared in such a manner as to provide for consistency with the contract SOW, the Contract Performance Baseline, and the approved WBS. The contractor's reporting system shall be able to provide for the following at the PBS level:
 - (1) Timely incorporation of contractual changes affecting estimated cost and schedule
 - (2) Changes to records pertaining to work performed that will change previously reported costs for correction of errors and routine accounting adjustments
 - (3) Revisions to the contract estimated costs for DOE-directed changes to the contractual effort.
- d. The contractor shall provide the CO, or designated authorized representatives, access to any and all information and documents comprising the contractor's project control and reporting system. Generally, access will not be requested more than one level below the level chosen by the CO for control and approval authority, except during compliance reviews.
- e. The contractor shall include graded reporting requirements in all subcontracts adequate to fairly evaluate performance and support the contractor reporting requirements.

7.4 Baseline Change Management

- a. The Contract Performance Baseline is the source document for all project control and baseline change management. The processes for managing and administering changes to all elements of the baseline shall be timely, formal, and documented. Baseline changes shall be proposed when:
 - (1) Necessitated by significant project delays, events or other impacts
 - (2) The parties have negotiated an equitable adjustment in accordance with the Section I clause entitled, CHANGES, or other clauses of this contract.
- b. The CO is the approval authority for any change to the Contract Performance Baseline. Any change to the Contract Performance Baseline that would require additional funding shall be approved only by the CO.
- c. Contract Performance Baseline changes (e.g. contract scope or requirements) require CO approval, regardless of cost level. In general, project execution changes, which do not affect Contract Performance Baseline target cost or target schedule, will be under the authority of the contractor and will not be subject to DOE approval based on cost thresholds. However, DOE approval would be required where contractor proposed changes would result in realignment of work between PBS's and/or selected subprojects, and thereby affect sub-project BCWS used in schedule variance measurement.

The Contract Variance Agreement (CVA) process documents the agreement between WSRC and the Contracting Officer that there is an item/issue that may impact (positively or negatively) the Contract Performance Baseline (CPB) and require a changes. The CVA system is described in the Systems Description Document, section 6.5 "Contract Issues Notices/Contract Variance.

- d. In some circumstances the contractor might exceed authorized budget levels for a PBS when a baseline change is not warranted, such as for cost overruns. The current year ETC Analysis shall track and manage changes in funding at each level. The contractor shall manage project execution cost such that annual Congressional base table controls are not exceeded.
- e. Specific change control time frames for consideration and approval will be utilized as part of the project control system established and approved as provided for in paragraph (b) above. Each change control threshold level shall accommodate emergency changes. Retroactive changes that affect schedule and cost performance data are not allowed except to correct administrative errors. A record of all approved changes, at any level, shall be maintained through the life of the project. Change control records shall maintain a clear distinction between approved changes in funding and baseline changes. Ownership of Contract Performance Baseline Change Control Board records and Project Management records resides with DOE.
- f. Any changes to the Contract Performance Baseline shall be executed only through a contract modification by the CO pursuant to the contract terms and conditions.

8. GENERAL CONCEPTS/PRINCIPLES

- a. DOE and the Contractor have agreed to the following general concepts and principles for performance of the EM Clean-Up incentive. If for some reason, the Government is unable to adhere to one or more concepts/principles, the contractor may be entitled to an equitable adjustment if the contractor can demonstrate a material impact on performance occurred as a result of the Government's failure. The burden of proof to demonstrate entitlement to an equitable adjustment is on the contractor.
 - (1) In order to successfully attain the desired end state at SRS, the contractor and DOE must work proactively with the South Carolina Department of Health and Environmental Control (SCDHEC) and the Environmental Protection Agency, Region IV (EPA-IV) to effect changes to current regulatory processes and requirements that facilitate accelerated cleanup. SCDHEC and/or EPA-IV (hereafter "the regulators or regulatory agencies") are responsible for overseeing SRS regulatory operations and activities. A key component of this effort with the regulators is regulator support to accelerated cleanup initiatives. (If a change in regulator support occurs, and can directly be attributed to any DOE action or inaction with

the regulators, this change in support may serve as a basis for requesting an equitable adjustment). In addition, collaboration is essential between DOE and the contractor on all DOE activities which could impact the success of SRS' regulatory strategy, e.g., RODs, budget communications.

- (2) It is the understanding of the parties that DOE-SR will have the lead role in any negotiations with the regulatory agencies. The contractor will develop negotiation strategies and contingency plans and support any and all negotiations, as required. Establishing an agreed-upon priority of work that is to be accomplished is critical to negotiation success and will be accomplished by reviewing all cleanup work currently expected under regulatory requirements and collaboratively agreeing on the priority of that work with the regulators. Along with completion of the prioritization, agreement will be reached on appropriate milestones and performance measurement methods in order to track cleanup progress and identify impediments or issues that may compromise or jeopardize cleanup completion. With concurrence from the regulatory agencies, DOE-SR and the contractor will devise and implement alternatives to current work execution processes that are conducted under regulatory requirements. The contractor will identify and/or recommend to DOE-SR, potential new commitments to be made to regulators when it is determined such commitments will provide SRS with greater flexibility in meeting existing regulatory commitments. The contractor will work with DOE-SR to include these opportunities in negotiations with the regulatory agencies and to ensure these identified work execution improvements will be conducted within the boundaries and provisions of all environmental laws, regulations and enforceable agreements. The contractor will support DOE-SR in developing any negotiation strategy that would bring workscope of this nature into the regulatory arena.
- (3) Successful attainment of the accelerated clean up end state described in the Statement of Work is dependent upon DOE and Contractor ability to eliminate and/or modify tasks and processes currently employed to accomplish the work scope requirements. A key assumption of realizing this end state is the successful challenge of current task and process requirements and Contractor implementation procedures through tailoring of requirements (e.g. S/RIDs) for EM activities. DOE and WSRC agree to use the following principles in implementation of this vision for improved effectiveness:
 - (a) The contractor will maintain an effective ISMS program for EM work to ensure adequate protection of workers, the public, and the environment. All proposed changes to requirements will consider all core functions of ISMS.
 - (b) RESERVED

- (c) The current Contract S/RIDs reflect that tailoring of requirements to hazards is an acceptable concept. The contractor will, when possible, implement current requirements by use of tailoring such that exceptions and deviations to contract requirements are avoided when this can be done cost-effectively, in a timely manner and in accordance with the terms of the contract.
- (d) RESERVED (See H.60(c))
- (e) In the event that risk-based tailoring, undertaken appropriately within the S/RID process is challenged by any outside oversight organization, DOE and the contractor will work jointly to defend the tailored approach, provided the approach resulted in compliance with the current, or as may be modified, contract requirements.
- (f) If a deviation or exception to contract requirements is determined to be needed to more effectively accomplish contract work scope, the contractor will submit technically justified proposals recommending the changes to contract requirements. Responses will be provided in a timely manner as contemplated by the Special Contract Clause entitled, Accomplishment of Mission Objectives, subparagraph (b).
- (g). It is the intent of the parties that the Government would approve reasonable and justifiable contractor proposed changes in Government approved contractor processes and procedures when adequately justified by the contractor. Should the Government unreasonably withhold approval of justifiable changes and the withholding of approval can be demonstrated by the contractor to have had an adverse impact on its accomplishment of work, the contractor may submit a request for equitable adjustment.
- (h) The contractor will pursue exemptions to DOE standards and requirements in favor of use of commercial and industrial standards and best business practices.
- (i) Frivolous changes can waste significant effort by the contractor and DOE. The contractor will pursue only those changes to requirements that will have a measurable return on investment and the benefits of proposed changes will be explained. Prioritization of changes proposed should be established jointly by the contractor and DOE based on the significance of their impact on cost reduction and cleanup risk reduction results.

- (j) Requirements for closure activities can be expected to be less burdensome than those for long term nuclear facility operations. SRS Environmental Restoration SRIDs should be considered for application to additional work scope. This may include a thorough look at the value of planned maintenance activities. Investment in new equipment for facilities planned for near term closure should be minimized to acceptable performance levels for safe closure.
- (k) Identification of specific changes to requirements requiring DOE and/or external party approval will occur throughout cleanup execution. Achievement of the PMP and incentive work scopes assume approval of justifiable and prudent changes to requirements, some of which are identified herein.

b. PROJECT BASELINE CHANGES

- (1) The following is a listing of potential events/occurrences which could give rise to a request for an equitable adjustment under the contract terms (e.g., Excusable Delays and Changes clauses, etc.). Even though an event/occurrence may arise, depending upon the issue and impacts, it may or may not result in an equitable adjustment under the contract. The contractor may only be entitled to an equitable adjustment if the contractor can demonstrate a material impact on performance occurred as a result of the event or occurrence.
 - (a) new scope or performance requirements based on DOE direction
 - (b) new or changed regulatory requirements or new or changes in codes, standards, Orders, directives, etc.
 - (c) changes in statutory requirements (beyond those for which relief is not authorized by law or regulation)
 - (d) changes to existing acceptance criteria that restrict the contractor's ability to ship or current practices relative to receiving waste materials at DOE waste and material receiver sites which cannot be otherwise reasonably resolved by the contractor
 - (e) a salt tank is dissolved and it does not meet the necessary specifications for reasons other than due to the quality of the contractor's effort to characterize the waste
 - (f) significant infrastructure deterioration not reasonably foreseeable by the contractor which is required to be resolved during the contract term.
- (2) The below items represent conditions that may not be directly covered by a contract clause but nonetheless represent conditions under which the contractor accepted the terms of the contract and the associated Clean-Up incentive. The materiality and extent of impact of any of the listed

conditions will be separately evaluated to determine whether or not a request for an equitable adjustment may be granted:

- (a) actual escalation and taxes and plans "T&P" rates (including pension contributions) which are materially changed from the DOE directed or accepted rates in the contractor's FY03-06 baseline planning assumptions
- (b) any claims processed through or associated with the DOE Office of Worker Advocacy which result in material changes in Workers Compensation rates, or costs accepted by DOE related to the Worker Advocacy Program
- (c) material increases in waste disposal costs (e.g., fees charged by receiving sites) which cannot be otherwise reasonably resolved by the contractor
- (d) waste and material receiver sites do not accept waste and materials at a rate and number consistent with the contract scope which cannot be reasonably resolved by the contractor
- (e) changes to the planned EM share of site General & Administrative (G&A)/Essential Site Services (ESS) costs due to program changes (NNSA or other)
- (f) material changes to Davis Bacon/national labor contract rates

The above listing is intended by the parties to afford a useful template or guide against which other unspecified future events/occurrences may be assessed, even though they may not match exactly any of the descriptions contained in this listing.

9. GOVERNMENT FURNISHED SERVICES AND ITEMS (GFSI)

- a. By September 1 prior to the start of each fiscal year end, the contractor shall provide the Contracting Officer (CO) a projection of its needed Government Furnished Services and Items (GFSI), identified in the table contained in the Performance Evaluation and Measurement Plan (PEMP), through the balance of the term of the contract. The contractor shall also provide to the CO quarterly updates to this projection, if changes occur. Amendments to the projection, if any, shall be provided to the CO 45 calendar days in advance of the GFSI need date.
- b. DOE will review each contractor submittal of GFSI needs and, within 15 calendar days of receipt, shall notify the contractor whether it will provide the requested GFSI. If DOE cannot provide the requested GFSI, the DOE will identify within 30 calendar days of the request date what support can be provided and when it can be provided above that committed to in the contract. If DOE cannot provide the GFSI committed to in the contract within the time periods stated in the contract, the Contractor may be entitled to an equitable adjustment. The contractor shall not be entitled to an equitable adjustment if DOE cannot support GFSI requests above the commitments made in the contract.

The Government agrees to use its best efforts to accelerate delivery of GFSI and provide other support to the Contractor's efforts to successfully complete the EM Clean-Up incentive.

Scope	Requirements	Government Furnished Services and Items
1. FUNDING/AUTHORIZATION		
a. Annual EM Funding	Stable funding is required to enable consistency in workforce planning and execution to accomplish accelerated clean-up/closure. Consistent with the Changes clause, a failure of the Government to provide the stated levels of funding will entitle the contractor to an equitable adjustment to the contract.	EM will provide a minimum of Fiscal Year funding as follows for the environmental cleanup work: FY2003 \$1,082,372,000 FY2004 \$1,118,045,000 FY2005 \$1,173,305,000 FY2006 \$1,158,000,000 FY2007 \$302,000,000 This will include all costs plus fee and will allow for annual funding carryover. The Government's ability to provide the above funding levels is subject to the availability of appropriated funds.
b. Accommodating shifting of funds within the EM account	Based on the accelerated work scope, the contractor will be expected to shift EM funds within accounts	DOE will provide the contractor the maximum flexibility allowed by Congress to minimize

Scope	Requirements	Government Furnished Services and Items
		appropriations impacts. Based on existing language, the contractor would request approval by letter to DOE-SR for an internal reprogramming. If approved by the Savannah River manager through his transmittal to Headquarters, the reprogrammed funds would be available in the next financial plan (i.e., usually by the 9 th day of the following month). At that point the contractor would have authority to redistribute funding between PBSs consistent with the approved change control procedure. DOE will submit formal reprogrammings to Congress on an expedited basis. DOE will submit notification to Congress on an expedited basis. The contractor has a responsibility to provide reasonable lead times for processing.
c. Reserved		
d. Maintain H-Canyon in a mission essential status.	DOE determination on mission of H-Canyon.	DOE will identify post-INEEL material processing requirements for HB-Line Phase I by March 2004. DOE will identify post Np material processing requirements for HB-Line Phase II by June 2005.
e. Release of materials	The contractor is to submit a revised request and justification for release of certain material in the on-site landfill.	Upon receipt of the revised request and justification, DOE will provide approval/disapproval within 30 calendar days.

2. SPECIAL NUCLEAR MATERIAL		
a. Ship all HEU blended material offsite.	Provide modifications to the TVA agreement for increased material quantities, consistent with the Maximum Case Nuclear Materials list.	DOE will work with TVA to modify the existing agreement to accept additional material quantities in the HEU Blend Down program.
b. Ship all HEU ingots offsite.	Provide an average of 3 SSTs per month from June 2003 to April 2006. (Number of SSTs may be adjusted based upon on alternate shipping container.)	DOE will provide SSTs at a rate to support the accelerated shipping schedule.
	Provide an extension of the DOT-6M shipping container beyond June 2005 to support continued shipments.	DOE will provide an extension of the DOT-6M certification beyond June 2005, or provide an alternate shipping container.
c. Receive and process INEEL oxide material.	DOE will provide INEEL materials (RFETS oxides and INEEL denitrator product) to SRS. Characterization data must demonstrate homogenous materials acceptable for dissolution. The contractor is to characterize RFETS oxides. INEEL to characterize denitrator product.	DOE will ship the two chosen drums of RFETS oxides to SRS by April 30, 2003, for SRS to characterize. Remaining RFETS oxide drums will be shipped on a mutually agreed to schedule between June and August 2003. All RFETS material will be shipped via commercial carrier. DOE will ship INEEL denitrator material on a mutually agreed to schedule beginning January 2004 through June 2004. Shipments will be via commercial carrier (approx 3 shipments every two weeks). The final shipment in June will be via SST and contain all remaining denitrator product.
d. Ensure certified 9975 containers are available to support offsite shipment requirements.	Certification to include honeycomb spacer change and can configurations for Hanford container. The contractor is to submit SARP by May 28, 2003.	Upon receipt of a quality SARP submittal, DOE will provide timely certification of the 9975 container by October 31, 2003.
	Certification to include Np oxide, SRS convenience can, LANL ARIES can, and LLNL Hex Can. The contractor is to submit SARP revision by Oct 31, 2003.	Upon receipt of a quality SARP submittal, DOE will provide certification of the 9975 container within seven months from the date submitted, but no later than May 31, 2004.
e. Dispose of all depleted uranium oxide	Approval needed by DOE/SR to allow for disposition of depleted uranium oxide.	DOE will provide approval to dispose of depleted uranium oxide within 30 days of request.

f. De-inventory Navy Fuels facility (247-F)	Naval Reactors agrees to accept classified materials from Naval Fuels to support de-inventory of 247-F.	DOE will provide approval to remove classified materials from 247-F to Naval Reactors, or an alternative storage facility, by September 30, 2003.
g. Provide RFETS metal materials.	DOE will provide to SRS those RFETS metal materials that require repackaging at SRS	DOE will complete shipment of RFETS materials to SRS by 8/31/03.
h. Provide 9975 Containers	The containers must be received in advance to allow for preps prior to use.	Provide requested 9975 containers up to 1100 by December 2004.

3. WASTE

a. Ship all legacy and newly generated TRU and TRUM waste offsite.	Characterization, transportation and disposal of approximately 27,000 drums of TRU waste.	DOE will provide characterization and transportation for disposal of approximately 27,000 drums at an average characterization rate of 150 drums per week from June 2004 through September 2006.
	Characterization, transportation and disposal of approximately 2,000 drums of high activity Pu-238 TRU waste.	DOE will provide an approved SARP Revision and subsequent program changes, characterization & transportation resources for approximately 2,000 drums of high activity Pu-238 TRU waste by 7/31/05.
	Characterization, transportation and disposal of approximately 1,000 drums of high activity Pu-238 TRU waste, which are not shippable under the above SARP revision.	DOE will provide a final solution for the remaining 1,000 high activity TRU drums by 9/30/06.
	Provision of a characterization system (hardware, program and resources) for the characterization of approximately 450 5x5x8 boxes and 600 standard waste boxes of TRU waste.	DOE will provide a characterization system (hardware, program and resources) for the characterization of 5x5x8 boxes and standard waste boxes certification audit to be completed by 1/31/06.
	An approved design is required for an inner container capable of accommodating boxes up to 5'3" x 5'3" x 8'6" with no Ci limit.	DOE will provide an approved design of the inner container by June 2004.
	Repackaging system based on the LANL glovebox.	DOE will provide (pending adequate DOE/CBFO funding) a repackaging system based on the LANL glovebox system by September 2004.
b. Low Level Waste and Low Level Mixed Waste	The DOE will identify receiver sites for LLW and LLMW	The DOE will identify to the contractor, onsite disposal sites or receiver sites for all LLW and LLMW

c. The contractor will continue to generate vitrified glass through the DWPF process.	DOE will provide additional storage capacity.	DOE will ensure that additional storage capacity is provided so as to not impact the contractor DWPF production schedule. The contractor is expected to provide timely geo-technical support and updated specifications to support construction of GWSB #2.
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4. DOE OVERSIGHT OF CONTRACTOR WORK		
a. DOE will provide contractor oversight consistent with the terms and conditions of the contract	DOE will provide a focused approach for providing oversight of contractor work.	Within 30 calendar days after approval of this contract modification, DOE will provide the contractor a copy of the SRS DOE Oversight Plan.
b. The contractor will submit documentation to DOE for approval during the cleanup project		DOE will provide comments and/or approval of documentation as follows on a not-to-exceed basis: <ul style="list-style-type: none"> • Baseline: 30 calendar days • Baseline changes: 20 calendar days • Other DOE approval documents: 30 calendar days • General correspondence: 14 calendar days
c. The contractor will develop and submit permit applications per Section H.17. RCRA permits and applications will be forwarded to DOE for signature as co-operator and owner.	DOE will review and sign RCRA permits and applications as co-operator and owner.	DOE will provide comments to the contractor or approval for RCRA permits and application within 15 calendar days of receipt.
d. The contractor will complete D&D in accordance with the SOW up to the maximum condition case.	Agreement is required by the South Carolina (SC) State Historic Preservation Office that defines Historical Preservation requirements such that the baseline schedule for D&D of facilities is not impacted.	DOE will work with the contractor and the SC State Historic Preservation Office to obtain an agreement that defines the Historical Preservation requirements such that the contract baseline D&D schedules are not impacted.

10. EM CLEAN-UP PERFORMANCE REQUIREMENTS

ENVIRONMENTAL MANAGEMENT CLEAN-UP INCENTIVE STATEMENT OF WORK

1.0 Overview

In accordance with the contract clause in Section C, entitled "Description of Work and Services," this document sets forth additional EM performance requirements that the contractor is expected to complete under this contract. This statement of work describes the acceleration of the EM mission at Savannah River Site to be completed from FY03 through FY06. In general, the completion date will be September 30, 2006, with limited scope to be completed by November 30, 2006, as identified herein. The work completion dates that extend beyond the term of the contract (September 30, 2006) were established for fee and schedule performance purposes. (See paragraph 11.)

The EM work requirements are defined through a site "end-state" condition at the end of the contract term. That end-state has been defined in terms of:

- Target site condition describes the desired end-state of a work activity(ies) at contract completion within target cost and fee.
- Maximum site condition describes the desired end-state of a work activity(ies) that aligns with the maximum fee potential.
- The sum of the completed site conditions, including the Minimum Performance Requirements and Threshold Requirement, provides the final end-state of performance under this contract upon which the final fee payment will be based, subject to the contract terms and conditions.

These work activities are segmented by major program area at SRS. The following table is a summation of key performance metrics expected to be performed under the current contract. The Contract Performance Baseline will be developed to include target work in the following sections.

DO NOT RE-ENTER ANY DATA

Performance Measure	Unit	Life-cycle	Pre-FY03	Target	Maximum
Pu packaged for long term disposition	containers	1,100	0	~1,100	~1,100
eU packaged for disposition	containers	~2859	0	2,107	2,107
Pu/U residues packaged for disposition	kg Pu	414	222	192	192
DU and U packaged for disposition	MT	23,182	0	4,644	23,182
Liquid Waste Tanks closed (includes empty)	tanks	51	2	2	6
HLW packaged for disposition	containers	5,060	1,337	880	880
SNF packaged for disposition	MTHM	36	0	2.821	2.821
TRU disposed	m3	15,326	196	3,360	8,000
LL/LLMW/HW disposed +	m3	~339,000	49,000	~110,000	~290,000
MAAs eliminated	areas	4	0	1	1
Nuclear Facility Completions	facilities	195	1	7	19
Radioactive Facility Completions	facilities	40	1	4	6
Industrial Facility Completions	facilities	816	36	96	199
Remediation Complete	sites	515	281	46	47

*includes INEEL Oxide Blend Down

+ Values are rough order of magnitude only, will be impacted by waste minimization efforts and detailed characterization of actual wastes generated.

2.0 Solid Waste Program

The Contractor shall receive, treat, store and disposition solid waste in a safe and environmentally sound manner in accordance with all DOE, Federal, State, local and contractor requirements. The Contractor shall manage legacy and newly generated waste so that environmental compliance agreements are met.

The Contractor shall disposition all legacy waste (except those on the LLW/LLMW/HW exception list below), while maintaining cost effective and safe treatment, storage, and disposal capabilities for newly generated waste. Recognizing that a legacy issue from newly generated waste must not be created for the next contract period (beyond November 30, 2006), the Contractor shall dispose of all newly generated waste in accordance with the current DOE Order 435.1 and RCRA standards. The Contractor shall accelerate the disposition of transuranic waste, consistent with the scope defined below. The Contractor shall plan for the increase in waste generation from the acceleration of deactivation and decommissioning program as described herein.

Table 12 LLW/LLMW/HW Wastes Which Will Not Be Treated and Disposed of by September 2006

LLW/MW/HW Wastes Which Will Not Be Treated and Disposed of by September 2006

This list is current as of March 2, 2003. There is a possibility that other waste will be generated during the contract period that do not have available paths to disposition within the contract period. DOE Order 435.1 provides a formal process for the identification of such waste. Any waste identified orgenerated during the period that meets the definition of the above wastes will also be excluded from disposition by the end of FY06.

Quantity	Description	Explanation
~100 m ³	Legacy organic PUREX solvent	A treatment capability based on stabilization will not be developed for this waste stream before 9/06
~20 m ³	Tritiated oils	This waste has activity levels too high for its disposal at any currently available DOE or commercial disposal facility
~10 m ³	Non-incinerable rad PCB waste	This waste has no treatment route
~30m ³	Already-treated waste.	This waste is requires characterization prior to disposal and since it has already been macro encapsulated the characterization is a challenge

The Contractor shall:

- Collect and transport sanitary waste for final disposal or reuse;
- Receive, characterize, and store hazardous and PCB waste and ship offsite for treatment and disposal;
- Receive and store mixed waste, treat mixed waste using onsite and offsite facilities and dispose of mixed waste at offsite facilities;

- Receive, store, treat, and dispose of low level waste using onsite and offsite facilities;
- Ensure adequate future disposal capacity in low activity waste vaults;
- Receive, store, characterize and ship TRU waste for disposal.
- Characterize and evaluate alternative disposal paths for those wastes listed in Table I.2.

The Contractor shall continue to maintain and implement the site's waste characterization and certification program. The Contractor shall also continue to coordinate the site's Pollution Prevention Program in order to reduce waste generation at SRS. The Contractor shall maintain the necessary support structure and infrastructure to carry out the above functions, such as safety analysis, disposal authorization and quality assurance.

Specific expectations for the FY03-FY06 performance period include:

TARGET:

- The disposition of approximately 110,000 cubic meters of low level/low level mixed waste/hazardous waste as described above. All legacy waste (4,120m³), except those identified above in Table I.2, is to be dispositioned by September 30, 2006. The remaining newly generated waste disposition shall continue as specified in the annual waste generation forecast through November 30, 2006 in accordance with the current DOE Order 435.1 and RCRA standards.
- The disposition of 3,360 cubic meters of transuranic waste

MAXIMUM:

- The disposition of approximately 290,000 cubic meters of low level/low level mixed waste/hazardous waste as described above. All legacy waste (4,120m³), except those identified above in Table I.2, is to be dispositioned by September 30, 2006. The remaining newly generated waste disposition shall continue as specified in the annual waste generation forecast through November 30, 2006 in accordance with the current DOE Order 435.1 and RCRA standards.
- The disposition of 8,000 cubic meters of transuranic waste. *(November 30, 2006)*

3.0 High Level Waste Program

The Contractor shall accelerate the disposition of high level waste, currently stored in underground storage tanks at SRS. The Contractor shall meet the commitments set forth in the current Site Treatment Plan and the Federal Facility Agreement for the treatment of high level waste and closure of high level waste storage tanks as far as possible given NWPA restraints.

The management of the high level waste system includes the operation of the Defense Waste Processing Facility, the Glass Waste Storage Building, the Saltstone facility (or its replacement), the Effluent Treatment Facility, and tank farm operations, including waste removal, low curie salt, and the 2F, 2H and 3H evaporators. The Contractor shall actively store existing and new waste pending disposal, including receipt, evaporation and storage, and make transfers as needed

to support vitrification and salt processing. The Contractor shall conceptualize alternative disposition paths for those waste streams not meeting the definition of high level waste, in order to potentially eliminate those receipts into the system. Capital upgrades needed to support the elimination of these waste streams will be implemented and defined in the contract baseline. The Contractor shall accelerate waste removal activities and feed preparation activities in order to support the performance objectives as defined below. The Contractor will also develop capability for actinide and cesium removal and operate associated facilities. The Contractor shall provide support of GWSB II construction and development of waste disposition strategies to the level defined in the contract baseline. The Contractor shall maintain CIF in its current deactivated state.

The Contractor shall implement the Tank Farm Documented Safety Assessment (DSA). The Contractor shall maintain the necessary support structure and infrastructure to carry out the above functions, such as safety analysis and quality assurance.

The Contractor shall provide support to DOE for the Salt Waste Processing Facility Project at a level consistent with the FY03 WAPB which will include such activities as:

- Provide other design documentation to EPC contractors as required
- Provide R&D support to EPC contractors through SRTC as needed
- Provide operations input to EPC contractors
- Participate in informational meetings/teleconferences
- With EPC contractors and DOE, jointly develop Interface Management Plan, Interface Control Documents, and SWPF Feed Strategy and Product and Secondary Waste Specifications
- Provide input to EPC contractors during development of deliverables.
- Perform technical reviews of design documents prepared by EPC contractors.
- Provide DOE with design authority support
- Function as a member of the Integrated Project Team
- Assess impact of EPC contractor's designs on existing upstream/downstream facilities
- Perform waste characterization/sampling as determined by DOE
- Support EPC contractors in development of environmental permitting documentation
- Perform actions to qualify HLW glass as required
- Support EPC contractors in SIRIM reporting as required
- Provide document control support
- Provide transfer lines and support services for Salt Waste Processing Facilities.

Any additional project support required above the described level of effort will be performed in accordance with agreed-to change controls.

Specific expectations for the FY03-FY06 performance period include:

3.1 High Level Waste Disposition

TARGET:

- The vitrification of no more than 880 actual canisters of high level waste with increased waste loading resulting in 968 equivalent canisters.

MAXIMUM:

- The vitrification of no more than 880 actual canisters of high level waste with increased waste loading resulting in 1,100 equivalent canisters.
- DWPF recycle acid side evaporator construction completed and operational review completed with ready to operate status.

3.2 Liquid Waste Eliminated

TARGET:

- Complete construction and initiate hot operations of Actinide Removal Facilities (November 30, 2006)
- Complete design ,construction, and initiate hot operations of the Modular CSSX Facility (November 30, 2006.)

MAXIMUM:

- Complete construction of necessary Waste Transfer Lines
- Complete support services for Salt Processing (November 30, 2006)

3.3 Reduce Tank Farm Influent

TARGET:

- None

MAXIMUM:

- Reduce unirradiated HEU influents
- Reduce DWPF Recycle Influent
- Construct a DWPF Recycle Evaporator

3.4 Liquid Waste Tanks Closed

TARGET:

- Bulk waste removed from 5 non-compliant HLW Tanks (November 30, 2006)

- Operationally close and grout 2 Tanks (Tanks 18 and 19), in accordance with the FFA compliance schedule (as modified by NWPA restraints)

MAXIMUM:

- Deactivation (emptied and isolated) of 4 non-compliant HLW tanks in F-Area (November 30, 2006)
- Bulk waste removed from 9 non-compliant HLW Tanks (November 30, 2006)
- Operationally close and grout 2 Tanks (Tanks 18 and 19), in accordance with the FFA compliance schedule (as modified by NWPA Restraints)
- Decommission (grout) the 1F evaporator

A tank is considered empty when waste has been removed consistent with the approved General Closure Plan. A tank is considered deactivated when it has been isolated and removed from the authorization basis. A tank is considered decommissioned when it has been successfully emptied, deactivated and filled with grout.

4.0 Nuclear Material Stabilization

The following discussion provides expected scope performance during the life of the contract.

4.1 EM Nuclear Materials Stabilization and Storage

Tables I.3 through I.6 below provide descriptions, quantities and expected disposition plans for most of the EM-Owned Nuclear Materials on site. Disposition must be completed consistent with, and in a way that does not negatively interfere with, key EM closure/clean-up objectives such as, deinventory and shutdown of RFETS, lay-up or deactivation of F Canyon/FB Line, completion of EM work in H Canyon, and deactivation of RBOF. Additional material guidance is provided below.

4.1.1. Plutonium

TARGET: The Contractor shall continue to receive and disposition or store nuclear material from RFETS as shown in Tables I.3 and I.4.

MAXIMUM: Same as Target.

4.1.2 Highly Enriched Uranium

TARGET: The target scope includes the dissolution of all HEU shown in Tables I.3 and I.4. The scope also includes the shipment of 2,107 equivalent containers (as defined in the current Inter-agency agreement) of the resultant LEU offsite to the TVA vendor. At the end of the contract period, HEU solution will continue to be stored pending blenddown with natural uranium to meet current TVA specifications and delivery schedule.

MAXIMUM: Same as Target.

4.1.3 Spent Nuclear Fuel

TARGET: L Disassembly Basin will continue to receive and store Spent Nuclear Fuel from domestic and foreign research reactors throughout the contract period as defined in Table I.4. Installation of sufficient storage racks to support de-inventory of RBOF by September 30, 2004, must proceed. Any additional storage racks to meet forecast offsite receipts, such as HFIR, must also be provided, such that future receipts are not impacted. Support is expected to be provided for ongoing spent fuel disposition studies to the extent these studies and all other similar studies requested by DOE are at a level consistent with the FY03 WAPB. However, any design or construction activity to develop future possible disposition options is not planned.

MAXIMUM: Same as target.

4.1.4 Depleted/Natural Uranium

TARGET: Complete the offsite shipment of depleted uranium as defined in Table I.3.

MAXIMUM: Complete the offsite shipment of depleted uranium as defined in Table I.5.
(November 30, 2006)

4.1.5 Heavy Water

TARGET: The Contractor shall support the heavy water program as follows:

- Provide ongoing program support to plan and support disposition alternatives to the extent these studies and all other similar studies requested by DOE are at a level consistent with the FY03 WAPB.
- Work toward and support sale or transfer of heavy water to an off site receiver.
- Prepare material for shipment as necessary (e.g., place in drums, survey, inspection).
- Contractor shall provide for packaging and offsite shipment as necessary for sale or transfer.
- In the event that sale or transfer does not occur, continue to store the material.

MAXIMUM: Same as Target.

4.2.0 EM Nuclear Material Facilities

TARGET AND MAXIMUM CASE: All FB Line metrics as defined in Table I.3 and Table I.4 shall be met. This includes completion of the 3013 furnace/welder project, completion of an estimated 1,100 (all) 3013 cans of material as currently defined, and the shipment of this material to either **+** or KAMS.

4.2.1 FB Line/F Canyon

TARGET: Complete all planned operations and the de-inventory/deactivation activities in F Canyon/FB Line by November 30, 2006. Deactivation of the F Area processing facilities is to be completed in accordance with "F-Canyon Complex Deactivation Project Plan, Building 221-F,

F-Canyon/FB-Line Facilities.” The disposition of DUN will be sufficient to support deactivation of the F Area processing facilities. No DUN will remain in F Area.

Infrastructure required to support ~~X~~ and the Safe-Store condition of the F Canyon/FB Line deactivated status shall be maintained. Successful execution of the F Canyon/FB Line Deactivation is defined as completion of those activities required to reduce the annual S&M cost for the F Area Plutonium Processing facilities (excluding ~~X~~), to \$32 M direct or less by November 30, 2006.

MAXIMUM: Same as Target.

4.2.2 HB Line/H Canyon

TARGET: The Contractor shall maintain H Canyon and HB Line in an operable status through execution of the current missions. Beyond execution of the current missions, facility status will be established at minimized S&M costs consistent with maintaining applicable safety requirements until GFSI direction is received. DOE will identify any additional missions for the facilities through a GFSI. Identification of additional missions will be accompanied by the appropriate change control that identifies the new mission, the materials involved, the required facility modifications, and the funding or other scope adjustments.

If no additional missions are identified for HB Line, the following activities will be discontinued in an acceptable approach for maintaining the capability for facility operation should a future mission(s) be identified. Process vessels and sumps will be flushed, cold chemical tanks will be drained, and support services such as steam, process water and instrument air will be isolated (placed in lay-up status). The following activities will no longer be performed in HB Line, consistent with the approved authorization basis documentation:

- In-Process Inspection calibrations, except on safety class systems such as ventilation,
- Preventive and predictive maintenance, except on safety class systems
- Technical Safety Requirements surveillances (i.e., liquid level and temperature interlock testing), except on safety class systems
- Operator rounds, except on safety class systems
- Combustible material inspections
- Operator continuing training and qualifications, except on safety class systems
- Radiological habitability surveys and air monitoring except for that required to decontaminate radioactive glove boxes and rooms
- Laboratory analysis on process and chemical solutions
- Material Control & Accountability physical (bulk and item) inventory
- Security and safeguards surveillance of Material Balance Area by protective force.

Detailed design for the old HB Line exhaust duct repair should be completed.

MAXIMUM: Same as Target and;

- Complete facility preparation and process of materials identified in Table I.5.

- Complete construction and startup of old HB-Line Exhaust repair.

4.2.3 K Area Material Storage – X

TARGET: K Area Material Storage (KAMS) will continue to receive and store offsite nuclear materials identified in Table I.4 during the contract period. KAMS shall be expanded to a capacity of approximately 5,000 positions, including the capability to store "Safekeg" containers.

MAXIMUM: Same as Target.

4.2.4 235-F

TARGET:

- Install sufficient rack capacity and provide sufficient storage capability for up to 1,900 storage positions and provide for 3013 surveillance to enable shutdown of the FB Line Facility by November 30, 2006 (project completion date to be established upon CD-2 approval). If project completion falls outside the contract period, temporary provisions may be established for 3013 surveillance in an existing facility. Storage containers such as DOE-STD-3013, 9975, and 'Safekegs' should be assumed. This project will include capabilities and analysis to unpackage and package the 3013 cans from shipping containers, install storage racks with the appropriate shielding and criticality control requirements, procure and install material control and accountability measurement capabilities consistent with current site requirements, modify the associated building support services such as electrical and cooling services, and install security enhancements as necessary. Enhancements and modifications required to support material storage beyond that required for FB Line de-inventory are outside the contract scope. X will be maintained in an operable condition.
- Establish the DOE-STD-3013 Surveillance and Monitoring Program Management capabilities at SRS

MAXIMUM: Same as Target.

4.2.5 Receiving Basin for Offsite Fuel (RBOF)

TARGET: Deinventory and deactivation of RBOF shall proceed as currently scheduled in order to realize significant cost savings. Deinventory shall be completed no later than September 30, 2004; with deactivation complete no later than September 30, 2005. Deactivation of RBOF includes the associated resin regeneration facility.

MAXIMUM SCOPE:

- Complete Disposition of casks from RBOF PAD and Decommission Pad (November 30, 2006)

4.3 Nuclear Materials - Target Case

The following list of Nuclear Materials is within the target scope of work. The column labeled "Disposition Plans" reflects the current planning basis for the state of these materials at the end of FY06. The actual FY06 end state or the process for disposition may change if agreed to by both the contractor and DOE. In some cases, as noted, the quantity listed is an estimation based upon existing characterization of the material. These quantities may be revised as characterization activities are completed. For those materials specified in Table I.3 being packaged in 3013 containers, the number of 3013 containers to be produced has been estimated based upon existing characterization of the material. This projection will be revised as needed based upon experience gained during the characterization and packaging campaign. Any changes to this projection are expected to be modest, with no change to contract cost or fee.

DELETED VERSION**EM Owned Materials at SRS****Target Case**

QUANTITY	DESCRIPTION	DISPOSITION PLANS
	Pu-239 solution heels in F-Canyon	Flush to HLW System
	Pu-239 solution in H-Canyon	Transfer to HLW System
	Neptunium solution in H-Canyon	Specified contents of Tank 8.5 will receive a one pass processing through HB Line Phase 2 to produce oxide for immediate shipment to ANL-W (estimated at 250 kgs Oxide), losses and Tank 16.3 volume to HLW System
	Plutonium / Uranium bearing scrap and residues	Dissolve in H-Canyon/HB-Line and transfer solution to HLW system or include in HEU Blenddown
	Depleted uranium solution in F&H-Areas	Grout onsite or ship offsite, interim storage outside F-Area may be beneficial
	Natural and Depleted Uranium slugs/cores stored in 300 area	Transfer to Envirocare
	Drums of depleted uranium oxide	Transfer to Envirocare
	Thorium and Pu/U scrap/residues	Package for WIPP disposal
	SNF in RBOF	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Domestic and Foreign SNF	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Sodium Reactor Experiment (SRE)	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Oak Ridge Reactor (ORR), High Flux Isotope Reactor (HFIR) and Tower Shield Reactor (TSR) (Combined in aluminum canisters)	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Mark-14	Ship to Canyon for processing
	Heavy Water Components Test Reactor (HWCTR)	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Cobalt Slugs	Dispose as Low Level Waste
	Mark-50A Thorium Elements	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Irradiated Thulium Slug	Dispose as Low Level Waste
	Pu-242 Flux Monitor Pins	Dispose as Low Level or TRU Waste
	Cf Shuffler Standards (EU)	Size Reduce and ship to NFS
	EU-Al castings (old standards)	Ship to NFS
	De-inventory ingot	Ship to NFS

DELETED VERSION

EM Owned Materials at SRS**Target Case**

QUANTITY	DESCRIPTION	DISPOSITION PLANS
	Filters in drums	Dispose as Waste
	Mound Fuel Plates in drums	Ship to L Area for storage pending future disposition to Yucca Mountain; or dissolve in H-Area
	Uruguay fuel	Ship to L Area for storage pending future disposition to Yucca Mountain
	PNNL fuel rods in drums	Ship to L Area for storage pending future disposition to Yucca Mountain; or dissolve in H-Area
	Standards (WT)	Ship to NFS
	UVA Fuel Plates	Ship to L Area for storage pending future disposition to Yucca Mountain; or dissolve in H-Area
	Miscellaneous grindings (in drums)	Dispose as Waste
	IFC Chambers in drums	Dispose as Waste
	HEU solution in H-Area (existing and from continuing dissolution of irradiated Mk-16 material in H Canyon)	Process through 2 nd Cycle, blend into an LEU solution and ship to NFS
	Unirradiated Mark 22 tubes	Dissolve in H-Area
	HEU/Al ingots	Ship to NFS
	Pu-238 sources	Ship to Lawrence Livermore or Los Alamos
	Neptunium standards	Ship to ANL-W at end of Np program
	Pu metals, alloys and oxides (includes 163** composites items from Rocky Flats)	Package in 3013 containers and store in X KAMS pending disposition
	Pu sources and standards	Continue in storage and transition to NNSA to support PDCF and MOX Facilities
	Non-Vault Standards & Samples	Continue active use to support SRTC and CLAB operations & Sources

*May be impacted by ongoing material characterization effort.

** Refer to Shipper-Receiver Agreement, SRA-RFETS-SRS-2002-002, Rev. 0

EM Owned Materials at SRS**Maximum Case**

QUANTITY	DESCRIPTION	DISPOSITION PLANS
	Depleted uranium solution in F&H-Areas	Grout onsite or ship offsite, interim storage outside F-Area may be beneficial
	Natural and Depleted Uranium slugs/cores stored in 300 area	Transfer to Envirocare
	Drums of depleted uranium oxide	Dispositioned on site or transferred to final disposition facility by November 30, 2006.
	Thorium and Pu/U scrap/residues	Package for WIPP disposal
	SNF in RBOF	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Domestic and Foreign SNF	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Sodium Reactor Experiment (SRE)	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Oak Ridge Reactor (ORR), High Flux Isotope Reactor (HFIR) and Tower Shield Reactor (TSR) (Combined in aluminum canisters)	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Mark-14	Ship to Canyon for processing
	Heavy Water Components Test Reactor (HWCTR)	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Cobalt Slugs	Dispose as Low Level Waste
	Mark-50A Thorium Elements	Consolidate into L-Basin pending future disposition to Yucca Mountain
	Irradiated Thulium Slug	Dispose as Low Level Waste
	Pu-242 Flux Monitor Pins	Dispose as Low Level or TRU Waste
	Cf Shuffler Standards (EU)	Size Reduce and ship to NFS
	EU-Al castings (old standards)	Ship to NFS
	De-inventory ingot	Ship to NFS
	Filters in drums	Dispose as Waste
	Mound Fuel Plates in drums	Ship to L Area for storage pending future disposition to Yucca Mountain; or dissolve in H-Area
	Uruguay fuel	Ship to L Area for storage pending future disposition to Yucca Mountain
	PNNL fuel rods in drums	Ship to L Area for storage pending future disposition to Yucca Mountain; or dissolve in H-Area
	Standards (WT)	Ship to NFS
	UVA Fuel Plates	Ship to L Area for storage pending future disposition to Yucca Mountain; or dissolve in H-Area

DELETED VERSIONContract No. DE-AC09-96SR18500
Modification No. M120**EM Owned Materials at SRS****Maximum Case**

QUANTITY	DESCRIPTION	DISPOSITION PLANS
	Miscellaneous grindings (in drums)	Dispose as Waste
	IFC Chambers in drums	Dispose as Waste
	HEU solution in H-Area (existing and from continuing dissolution of irradiated Mk-16 material in H Canyon)	Process through 2 nd Cycle, blend into an LEU solution and ship to NFS
	Unirradiated Mark 22 tubes	Dissolve in H-Area
	HEU/Al ingots	Ship to NFS
	Pu-238 sources	Ship to Lawrence Livermore or Los Alamos
	Neptunium standards	Ship to Oak Ridge at end of Np program
	Pu metals, alloys and oxides (includes 163** composite items from Rocky Flats)	Package in 3013 containers and store in X KAMS pending disposition
	Pu sources and standards	Continue in storage and transition to NNSA to support PDCF and MOX Facilities
	Non-Vault Standards & Samples	Continue active use to support SRTC and CLAB operations & Sources
	Pu bearing metals and alloys	Dissolve, oxidize and store, and/or disposition as waste in H Area

*May be impacted by ongoing material characterization effort.

** Refer to Shipper-Receiver Agreement, SRA-RFETS-SRS-2002-002, Rev. 0

EM Owned Materials Planned to Come to SRS**Maximum Case**

QUANTITY	DESCRIPTION	DISPOSITION PLANS
	3013 containers of Pu and Pu/HEU metals and oxides from Rocky Flats after FY02	Receive and store in KAMS; transfer select items to PDCF and MOX Facility
	Pu contaminated HEU items	Receive and dissolve in H-Area
	Commercial shipment drums of HEU oxide from INEEL	Dissolve in H-Area and add to HEU Blenddown
	Domestic and Foreign SNF	Receive and store in L-Basin pending future disposition to Yucca Mountain

DELETED VERSION

5.0 Soils and Groundwater Closure

The Contractor shall plan and execute a program that meets all regulatory commitments reflected in the SRS Federal Facility Agreement, Resource Conservation and Recovery Act (RCRA) permit and closure plans, settlement agreements, administrative orders, consent decrees, notices of violations, or other notices of direction from DOE and/or regulatory agencies.

The Scope of Work defined in the Target Case and the Maximum Case reflects best estimates of current regulatory requirements and the scope and schedule accelerations needed to deliver a comprehensive, risk-based, and integrated Cold War cleanup program for contaminated soil, surface and ground water operable units.

The contractor shall implement a modified closure strategy for integration of soil, groundwater and facility disposition projects where applicable and pursue geographic area closures.

Table I.7, SGCP Maximum and Target Spreadsheet

MINIMUM, TARGET, AND MAXIMUM CASE SCOPE OF WORK SOILS AND GROUNDWATER CLOSURE PROJECTS

AREA	PROJECT	PROJECT TITLE	RCRA CERCLA	Phase at Nov. 30, 2006		Description of Target and Maximum Scope Acceleration
				Target Scope	Maximum Scope	
AM	1112E	M-Area Inactive Process Sewers to Manhole #1	RCRA CERCLA	P2		
AM	1112T	M-Area Inactive Process Sewers to Manhole #1	RCRA CERCLA	P4, P5, P6		Design complete at M-Area Inactive Process Sewers, and passive SVE operating
AM	1202	A-Area Miscellaneous Rubble Pits (731-8A)	RCRA CERCLA	P6		
AM	1408	A-Area Burning Rubble Pits (731-A, -1A) & Rubble Pit (731-2A)	RCRA CERCLA	P4, P5, P6		
AM	1409	Silverton Road Waste Site	RCRA CERCLA	P4, P5, P6		
AM	1407	Miscellaneous Chemical Basin/Alkali Burning Pit	RCRA CERCLA	P2, P5, P6		
AM	1701	A & M Area Groundwater	RCRA CERCLA	P2, P4, P6		
AM	1702	A-2 Air Stripper	RCRA	P5, P6		
AM	1703	Southern Sector Groundwater	RCRA	P5, P6		
AM	1704	Vadose Zone Groundwater	RCRA	P5, P6		
AM	1705	Purge Water Disposal Station	RCRA	P5, P6		
AM	1706	M-1 Air Stripper	RCRA	P5, P6		
AM	1707	Western Sector Groundwater	RCRA	P5, P6		
AM	1711	DUS at A-014 Outfall	RCRA CERCLA	P2		
AM	3001	RCRA GW Monitoring Program	RCRA	P6		
AM	8014	A-001 Outfall	RCRA CERCLA	P2		
AM	1807	Non-Flammable Disposal Facility (819)	RCRA	P5, P6		
C	1108	Coal Pile Runoff Basins (C.F.K. & P)	RCRA CERCLA	P4		
C	1125	C-Area Reactor Seepage Basins	CERCLA	P6		
C	1218	C-Area Burning/Rubble Pit (131-C)	RCRA CERCLA	P2, P5		P2 for the Final Action; P5 for the Interim Action
C	1503	C-Area Reactor Groundwater	RCRA CERCLA	P2, P5		P2 for the Final Action; P5 for the Interim Action
D	1008	D-Area Groundwater Operable Unit	CERCLA	P6		Construction complete for remediation of source at C-Reactor GW (e.g., Early Action: Electrical Resistance Heating / SVE)
D	1104	D-Area Oil Seepage Basin	RCRA CERCLA	P4		
D	1118	D-Area Expanded Operable Unit	RCRA CERCLA	P2, P3		
D	1119T	D-Area Expanded Operable Unit	RCRA CERCLA	P6		Remediation complete on the 480 Ash Basin (e.g., consolidation of Dead and Stressed Vegetation Area, treatment (lime) of PTNS, soil cover, solvents water management). Remediation complete on D-Area Rubble Pit (e.g., consolidation and cover with geo-synthetic cover)
D	1204	D-Area Burning Rubble Pits (431-D -1D)	RCRA CERCLA	P4		
E	1303	Old RWBG (843-E) Inc. Solvent Tanks (850-01E, -22E) & LLWRD Non-Haz	RCRA CERCLA	P4		
E	1312	General Separations Area Consolidation Unit Closure	CERCLA	P4		Remediation complete on all waste units at the GSA consolidation unit
E	1603	MMMF Groundwater	RCRA	P4		
F	1101	Old F-Area Seepage Basin	RCRA CERCLA	P5		
F	1108	Coal Pile Runoff Basins (C.F.K. & P)	RCRA CERCLA	P6		
F	1121	F-Area Retention Basin	CERCLA	P6		

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Table I.7, SGCP Maximum and Target Spreadsheet

MINIMUM, TARGET, AND MAXIMUM CASE SCOPE OF WORK
SOILS AND GROUNDWATER CLOSURE PROJECTS

AREA	PROJECT TITLE	RCRA CERCLA	Phase at Nov. 30, 2006		Description of Target and Maximum Scope Acceleration
			Target Scope	Maximum Scope	
F	1123 F&H Inactive Process Sewer Lines from Building to Security Fence (CERCLA)	RCRA CERCLA	P2		
F	1602 F & H Area Sessage Basin Groundwater Operable Units	RCRA	P2		
F	1608 F&H Sessage Basin Phase 2A	RCRA	P5		
F	6009 F-Area Canyon Groundwater	RCRA CERCLA	P5		Construction (P4) complete. Operations (P5) for 1808 is included in CA 1802.
F	6012 211-FB PG-250 Release	RCRA CERCLA	P2		
G	1102 Road A Chemical Basin	RCRA CERCLA	P2		Remediation complete (e.g. cap or cover)
G	1201 CMP Pits	RCRA CERCLA	P4, P5, P6		
G	1404 Gunite 218 Rubble Pit	RCRA CERCLA	P2		Remediation complete
G	1413 Par Pond Sludge Land Application Site	RCRA CERCLA	P2		Remediation investigation complete
G	1710 Steel Pond	RCRA CERCLA	P2		
G	3004 Gunite 012 Rubble Pits	RCRA CERCLA	P2		
G	3151 Integrator Operable Units Phase II	RCRA CERCLA	P2		
G	3701 Site Evaluations	CERCLA	P2		Remediation ongoing
G	3702 Foulmle Branch Site Evaluation Project Candidates	CERCLA	P2		
G	3708 Upper Three Runa Site Evaluation Project Candidates	CERCLA	P2		
H	1124 H-Area Retention Basin	CERCLA	P2		
H	1409 Scherer's Pond	CERCLA	P4		
H	6008 H-Area Groundwater Operable Unit	CERCLA	P4		
H	6011 HP-32 Ponds	RCRA CERCLA	P2		
K	1106 Coal Pile Runoff Basins (C.F.R. & P)	CERCLA	P4		
K	1120 K-Area Reactor Sessage Basin	RCRA CERCLA	P6		
K	1210 K, L.P. R Bingham Pump Outage Pits	CERCLA	P6		
K	1219 K-Area Burning/Rubble Pit (131-K) 6 Rubble Pits (631-204)	RCRA CERCLA	P6		
K	1412E K-Area Sludge Land Application Site	RCRA CERCLA	P2		
L	1114 L-Area Oil/Chemical Basin and L-Area Acid/Caulis Basin	RCRA CERCLA	P6		Remediation investigation complete
L	1212 K, L.P. R Bingham Pump Outage Pits	RCRA CERCLA	P6		
L	1218 K, L.P. R Bingham Pump Outage Pits	CERCLA	P6		
L	1504 L-Area Sulfuric Groundwater	RCRA CERCLA	P3		
L	5002 L-Area 10d Shop	RCRA CERCLA	P6		
L	5003 L-Area Reactor Sessage Basin	RCRA CERCLA	P6		
N	1108 G-Area Oil Sessage Basin	CERCLA	P6		
N	1118 Ford Building Sessage Basin	RCRA CERCLA	P2		
N	1210 Central Shops Burning/Rubble Pits (631-1, -3G)	RCRA CERCLA	P6		
N	1211 Heavy Equipment Wash Basin & Central Shops Burning/Rubble Pit (631-8G)	RCRA CERCLA	P6		
N	1405 SRL Oil Test Site	RCRA CERCLA	P6		
N	1414 Central Shops Sludge Layton	RCRA CERCLA	P6		
N	1415 Hydrofluoric Acid Soil	RCRA CERCLA	P6		
P	1109 Coal Pile Runoff Basins (C.F.R. & P)	RCRA CERCLA	P2		
P	1128 P-Area Reactor Sessage Basins	RCRA CERCLA	P6		
P	1216 K, L.P. R Bingham Pump Outage Pits	CERCLA	P6		
P	1221 P-Area Burning/Rubble Pit (131-B)	CERCLA	P6		
P	1501 P-Area Reactor Groundwater	RCRA CERCLA	P2		
R	1119 R-Area Reactor Sessage Basins	RCRA CERCLA	P2		
R	1209 R-Area Burning/Rubble Pits (131-R, -181) & Rubble Pits (631-25G)	CERCLA	P4		
R	1218 K, L.P. R Bingham Pump Outage Pits	RCRA CERCLA	P6		

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Table I.7, SGCP Maximum and Target Spreadsheet

**MINIMUM, TARGET, AND MAXIMUM CASE SCOPE OF WORK
SOILS AND GROUNDWATER CLOSURE PROJECTS**

AREA	PROJECT TITLE	RCRA CERCLA	Phase at Nov. 30, 2006		Description of Target and Maximum Scope Acceleration
			Target Scope	Maximum Scope	
R	1730 R-Area Closure	RCRA CERCLA	P2	P2	Field Start
R	1505 R-Area Residual Groundwater	RCRA CERCLA	P2	P2	30% of Pre-workplan Characterization completed
T	1003 X-001 Central Drainage Ditch	RCRA CERCLA	06		
T	10037 X-001 Central Drainage Ditch	RCRA CERCLA	P8		Remediation complete
T	1109 T1X Operable Unit	RCRA CERCLA	P4, P5		
T	11097 T1X Operable Unit	RCRA CERCLA	P5, P8		Remediation complete
T	1120 T1X Central Delta Operable Unit	RCRA CERCLA	P4		Remediation complete
T	11207 T1X Central Delta Operable Unit	RCRA CERCLA	P8		Remediation complete
T	1130 T1-Area Closure	RCRA CERCLA	P8		Remediation complete

P2	Accelerated
06	Design
P4	Construction
P5	Remediation
P8	Final Remediation
06	Soil Sampling
	Target Acceleration
	Maximum Acceleration

6.0 Deactivation and Decommissioning (D&D)

Decommissioning constitutes removal of a building or structure to its foundation. Any radiological or chemical contamination in the foundation will either be removed and/or contained. Decommissioning will be integrated with soils and groundwater closure activities and contamination in the foundations will be removed to a level that does not create an additional waste unit. However, contamination discovered during a decommissioning project that was not a result of the D&D effort will not be considered a newly created waste unit for this purpose.

Work activities to stabilize R and P Disassembly Basins will continue.

TARGET

- D&D of facilities as listed in Table I.8 and I.9 for the target case. For 703-A, the EOC will remain operable. Work is to be accomplished by September 30, 2006, for T, D, M and A Areas and November 30, 2006, for F Area facilities.

MAXIMUM

- D&D of facilities listed in Table I.8 and I.9 below for the maximum case. For 703-A, the EOC will remain operable. Work is to be accomplished by November 30, 2006, for facilities listed only in the maximum case.

The results of the formal contractor System Engineering Analysis, the Integrated D&D Plan and identified infrastructure needs will be utilized by DOE as input to future change in the Target and Maximum Case Decommissioning lists.

Facilities in Table I.8 and I.9 not specifically identified with an "X" as either maximum or target work requirements are not included in the scope of this contract. However, other minor structures that provided functional support to the facilities identified with an "X" **but no longer provide a function to the balance of the area**, such as canopies, sheds, air conditioning units, and excess trailers will be removed, along with other miscellaneous items, such as signs, poles, etc., associated with or in proximity to identified facilities.

TABLE 18 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
X		A	305000	TEST PILE	I	B
		A	705000	ENGINEERING ADMINISTRATION BUILDING	I	B
X		A	607001	SEWAGE TREATMENT PLANT	I	OSF
X		A	607016	CHEMICAL FEED FACILITY	I	B
		A	607017	WASTE TREATMENT FACILITY	I	B
		A	701001	GATEHOUSE, TECHNICAL AREA	I	B
X		A	701012	SECURITY SOUTH ENTRY CONTROL	I	B
X		A	701013	GUARDHOUSE @ EMPLOYMENT ROAD	I	B
		A	702000	TELEPHONE BUILDING	I	B
		A	702002	TELEPHONE EXCHANGE BUILDING	I	B
X	X (a)	A	703000	ADMINISTRATION BUILDING (EOC remains in place)	I	B
X		A	703037	COOLING WATER PUMP ENCLOSURE A/COMP RM	I	B
X		A	703038	COOLING WATER PUMP ENCLOSURE B/COMP RM	I	B
		A	703041	DOE OFFICE BUILDING	I	B
		A	703042	A&BA OFFICE BUILDING	I	B
X		A	703043	PUBLICATIONS BUILDING	I	B
		A	703044	COMPUTER BUILDING	I	B
X		A	703045	SUPPORT SERVICES BUILDING	I	B
		A	703046	BADGE OFFICE	I	B
X		A	703047	HUMAN RESOURCES	I	B
X		A	703071	PUMP HOUSE	I	B
X		A	706000	FIELD OFFICE FOR DOE	I	B
X		A	707000	JANITORIAL SUBCONTRACT OFFICE	I	B
X	X	A	708000	CAFETERIA	I	B
X		A	709000	FIRE STATION NO. 1	I	B
X		A	710000	WAREHOUSE BUILDING (EAST OF 714-A)	I	B
		A	711000	STEEL AND PIPE STORAGE BUILDING	I	B
X		A	713000	CENTRAL STORES BUILDING	I	B
X		A	713001	CENTRAL STORES WAREHOUSE	I	B
X		A	713002	CENTRAL STORES STORAGE BUILDING	I	B
		A	714000	SPARE MACHINERY STORAGE	I	B
		A	715000	GASOLINE STATION	I	B
X		A	716000	AUTOMOTIVE REPAIR SHOP	I	B
X		A	716002	SUPPORT SERVICES LOWER 700-G	I	B
		A	716004	REGULATED VEHICLE MAINTENANCE BUILDING	I	B
		A	717000	MAINTENANCE CENTRAL SHOP	I	B
		A	717004	VARNISH DIP TANK FACILITY	I	B
		A	717007	MAINTENANCE WAREHOUSE	I	B
		A	717008	STORAGE BUILDING LOWER 700-A	I	B
		A	717009	STORAGE BUILDING MUM	I	B
X		A	717010	FPEG	I	B
		A	717011	CSWE WORKS ENG FAC UPPER 700	I	B
X		A	719000	MEDICAL AND EMPLOYMENT BUILDING	I	B
X		A	719004	CFOD & GENERAL COUNSEL	I	B
X		A	720000	PATROL HEADQUARTERS	I	B
		A	720002	CENTRAL ALARM STATION (CAS)	I	B

TABLE 15 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
X		A	721000	TRAINING SCHOOL AND LABORATORIES BLDG	I	B
		A	722000	ELECTRICAL REPAIR SHOP	I	B
		A	722001	ELECTRICAL REPAIR SHOP	I	B
		A	722004	MOTOR SHOP AND BALANCING FACILITY	I	B
		A	722005	COMPUTER & COMMUNICATIONS REPAIR BLDG	I	B
		A	722008	STORAGE BUILDING	I	B
		A	723000	ENGINEERING ASSISTANCE FACILITY	I	B
		A	723015	FIXTURE & EQUIPMENT STORAGE FACILITY	I	B
X		A	724000	E&I CENTRAL SHOP	I	B
X		A	724002	T&T STORAGE SHED	I	B
		A	724005	E&I VEHICLE STORAGE SHED	I	B
X		A	724016	STORAGE BUILDING	I	B
X		A	725000	PAINT SHOP	I	B
		A	730000	ENGINEERING AND TRAINING BUILDING	I	B
X		A	733000	FLAMMABLE STORAGE HOUSE	I	B
X		A	733001	OIL STORAGE BUILDING	I	B
X		A	734000	COMPRESSED GASES STORAGE	I	B
		A	735000	RADIOLOGICAL & ENVIRONMENTAL SCIENCE LAB	I	B
		A	735002	HEALTH PROTECTION BOAT STORAGE BLDG	I	B
		A	735007	METEOROLOGICAL SCIENCES LAB	I	B
		A	735011	RADIOLOGICAL & ENVIRONMENTAL SUP FAC	I	B
		A	735013	ETD EQUIPMENT STORAGE	I	B
		A	735017	ENVIRONMENTAL STAGING BUILDING	I	B
		A	736000	STANDARDS LABORATORY	I	B
		A	737000	ENVIRONMENTAL RESEARCH LAB	I	B
		A	737001	ANIMAL HOLDING FACILITY	I	B
		A	737002	HEAD HOUSE	I	B
		A	737003	ISOTOPE GREENHOUSE-SREL COMPLEX	I	B
		A	737004	GREENHOUSE-SREL COMPLEX	I	B
		A	737005	SHOP	I	B
		A	737006	WATERFOWL BROODER HOUSE	I	B
		A	737007	NORTH WATERFOWL BREEDING PEN NO. 1	I	B
		A	737008	SOUTH WATERFOWL BREEDING PEN NO. 2	I	B
		A	737011	NORMAL GREENHOUSE NO. 2	I	B
		A	737012	NORMAL GREENHOUSE NO. 3	I	B
		A	737013	RHIZOTRON FACILITY	I	B
		A	737014	WATERFOWL BREEDING PEN NO. 3	I	B
		A	737015	WATERFOWL BREEDING PEN NO. 4	I	B
		A	737017	COLD ROOM	I	B
		A	737018	SREL STORAGE BUILDING	I	B
		A	737019	BOAT STORAGE	I	B
		A	737024	ANIMAL CARE FACILITY	I	B
		A	737026	SREL RECEIVING BUILDING	I	B
		A	738000	ACID AND SOLVENT STORAGE SHED	I	OSF
X		A	740000	SALVAGE AND RECLAMATION BUILDING	I	B
X		A	740008	STORAGE BUILDING	I	B
X		A	742000	OFFICE BUILDING	I	B
X		A	743000	RIGGING STORAGE	I	B
X		A	743001	VEHICLE SHED	I	B

TABLE 15 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
X		A	745000	EXCESS SALES BUILDING	I	B
		A	748000	STORAGE FACILITY	I	B
		A	749000	MAINTENANCE BUILDING	I	B
		A	751001	CONTROL HOUSE	I	B
		A	754005	UPS/GENERATOR ENCLOSURE	I	B
		A	754008	DIESEL GENERATOR FOR 703-44A	I	B
		A	754010	DIESEL GENERATOR	I	B
		A	754011	PROPANE GENERATOR	I	B
X		A	763000	TIRE STORAGE BUILDING	I	B
		A	770000	OFFICE OF COUNTERINTELLIGENCE	I	B
		A	773000	MAIN TECHNICAL LABORATORY	N	B
		A	773002	CYLINDER STORAGE SHED	I	B
		A	773041	SRL OFFICE BUILDING	I	B
		A	773042	SRL OFFICE BUILDING	I	B
		A	773043	ENGINEERING & PLANNING BUILDING	I	B
		A	773050	PSP POWER SUPPLY BUILDING	I	B
		A	773051	ADMINISTRATIVE SERVICES	I	B
		A	773052	CENTRAL RECORDS FACILITY	I	B
		A	774000	WASTE PROCESS AND FRACTURE TOUGHNESS FITNESS FAC	N	B
		A	775000	CENTRAL COMPRESSOR BUILDING	I	B
		A	775001	MAINTENANCE WORK SHOP	I	B
		A	776001	CONTROL HOUSE	I	B
		A	776002	TANK BUILDING	I	B
		A	776003	STRAINER CHANGE HOUSE	I	OSF
		A	776004	HIGH LEVEL VENT FILTER HOUSE	I	B
		A	776005	TANK BUILDING VENT AREA	I	B
		A	776006	WASTE LOADING STATION	I	B
		A	776009	STORAGE BUILDING	I	B
		A	776010	HI LEVEL PIPE GALLERY ACCESS BUILDING	I	B
		A	777000	HEALTH PROTECTION STORAGE FACILITY	I	B
X		A	777010	SITE UTILITIES OFFICE FACILITY	I	B
		A	779000	MANIPULATOR REPAIR SHOP	I	B
		A	780001	CHEMICAL FEED BUILDING-WEST OF 784-A	I	B
		A	780002	CHLORINE FEED BUILDING FOR 785-A	I	B
		A	781000	3/700 TC FACILITY	I	B
		A	782003	A-AREA DOMESTIC WATER CENTRAL TREATMENT PLANT	I	B
		A	784000	BOILER HOUSE	I	B
		A	784001	MAINTENANCE SHOP BOILER HOUSE	I	B
		A	784003	E&I STORAGE BUILDING	I	B
		A	784004	COAL HANDLER OBSERVATION BUILDING	I	B
		A	785000	COOLING TOWER	I	OSF
		A	785006	CHILLER	I	B
		A	786000	HEAT TRANSFER LABORATORY	I	B
		A	791000	POLLUTION CONTROL STACK, X	I	OSF
		A	792000	EXHAUST FAN HOUSE	I	B
		A	794000	SAND FILTER AND SUPPLY TUNNEL	I	OSF
		A	712000	LUMBER STORAGE	I	B
		A	722007	STORAGE BUILDING	I	B
		A	782002	DOMESTIC WATER STORAGE TANK	I	OSF

b2

TABLE 1.5 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		A	785002	COOLING TOWER NO. 2	I	OSF
		B	728001	RECORDS STORAGE BLDG NO.2	I	B
		B	785001	CHILLER BUILDING COOLING TOWER	I	OSF
		B	607002	CHEMICAL FEED FAC	I	B
		B	607004	SANITARY WASTE WATER FACILITY	I	OSF
		B	703000	WSI ADMINISTRATION BLDG	I	B
		B	703001	WSI TRAINING BLDG	I	B
		B	703005	HELICOPTER SUPP FAC, HANGER	I	B
		B	703006	HELICOPTER SUPP FAC OPR ANN	I	B
		B	703010	KENNEL FACILITIES	I	B
		B	706000	WSI TRAINING BUILDING	I	B
		B	708001	B-AREA ENGINEER SUPPORT BLDG	I	B
		B	710001	HAZARDOUS CHEMICAL STORAGE	I	B
		B	710002	HAZARDOUS CHEMICAL STORAGE	I	B
		B	710003	HAZARDOUS CHEMICAL STORAGE	I	B
		B	716000	WSI AUTOMOTIVE SHOP	I	B
		B	730000	ENGINEERING CENTER	I	B
		B	730001	ENGINEERING SUPPORT FACILITY	I	B
		B	730002	ADMINISTRATION BUILDING NO. 2	I	B
		B	730004	ADMINISTRATION BUILDING NO. 3	I	B
		B	735000	HEALTH PROTECTION RADIOLOGICAL LAB	I	B
		B	735001	REGULATORY MONITORING & BIOASSAY LAB AUXILIARY	I	B
		B	735002	HEALTH PROTECTION CALIBRATION FACILITY	I	B
		B	735004	WHOLE BODY COUNT FACILITY	I	B
		B	772007	STORAGE & LAB FAC	I	B
		B	772025	RESEARCH LABORATORY (EPA STREAMS)	I	B
		B	789000	REFRIGERATION BUILDING	I	B
		B	789002	CHILLER BUILDING	I	B
		B	790000	AMMUNITION BUNKER	I	B
		B	902005	FIRE WATER PUMP HOUSE	I	B
		C	105000	REACTOR BUILDING	N	B
X		C	107000	COOLING WATER EFFLUENT SUMP	I	OSF
		C	108001	ENGINE HOUSE	I	B
		C	108002	ENGINE HOUSE	I	B
		C	151001	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	OSF
		C	151002	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	OSF
X		C	152007	GENERATOR ROOM	I	B
X		C	186000	COOLING WATER RESERVOIR	I	OSF
X		C	190000	COOLING WATER PUMP HOUSE	I	B
X		C	501000	FENCE & RD LIGHTING (INC REGU & TRANS)	I	OSF
X		C	607009	AIR COMPRESSOR BUILDING	I	B
X		C	614002	EFFLUENT MONITORING BUILDING	I	B
		C	701001	AREA GATEHOUSE & PATROL HQ	I	B
X		C	701002	GATEHOUSE ENTRANCE AT BLDG 105	I	B
		C	702000	TELEPHONE EXCHANGE BUILDING	I	B
		C	702001	TELEPHONE EXCHANGE BUILDING	I	B
		C	704000	AREA ADM & SERVICES BUILDING	I	B
		C	705000	REACTOR TRAINING FACILITY	I	B
		C	705001	REACTOR ENGINEERING OFFICE BUILDING	I	B
		C	705003	REACTOR SUPPORT SERVICES BUILDING	I	B

TABLE 15 - D&D FACILITY LIST

Max	Target	Area	Number	Name	Type	Category
		C	706000	OFFICE BUILDING	I	B
		C	707000	REACTOR SIMULATOR TRAINING FACILITY	I	B
X		C	717000	CONTAMINATED MAINTENANCE FACILITY	I	B
		C	184006	STORAGE BUILDING	I	B
		C	711000	MAINTENANCE MATERIAL STORAGE BUILDING	I	B
		D	482002	MOTOR CONTROL CENTER	I	B
		D	484012	STORAGE BUILDING	I	B
		D	717003	WELDING SHOP	I	B
X	X	D	411003	FIRE FIGHTING SIMULATOR BLDG	I	B
X	X	D	412002	EAST SUBSTATION A	I	B
X	X	D	412003	STORAGE BUILDING	I	B
X	X	D	412004	MASK MAINTENANCE BUILDING	I	B
X	X	D	412010	TUBE BUNDLE CLEANING SHELTER	I	B
X	X	D	412017	WEST SUBSTATION B	I	B
X	X	D	414000	STORAGE BUILDING EAST	I	B
X	X	D	415000	STORAGE BUILDING WEST	I	B
X	X	D	420000	CONCENTRATOR BUILDING	R	B
X	X	D	420002	REWORK HANDLING FACILITY	R	B
X	X	D	421000	FINISHING BUILDING	I	B
X	X	D	421002	MODERATOR HANDLING AND STORAGE	I	B
X	X	D	421004	DRUM STORAGE	I	B
X	X	D	421006	HEAVY WATER EQUIPMENT STORAGE	I	B
		D	451000	PRIMARY SUBSTATION (HIGH VOLTAGE 115 KV)	I	OSF
		D	454000	DIESEL FUEL UNDERGROUND STORAGE TANK	I	OSF
X	X	D	480002	MAINTENANCE MATL. STORAGE	I	B
		D	480003	MAINTENANCE FIELD OFFICE AND SHOP	I	B
		D	483000	SOFTENER BUILDING	I	B
		D	483001	WATER FILTRATION AND TREATMENT PLANT	I	OSF
		D	483002	SOFTENER AND SILICA ABSORBER BLDG.	I	B
		D	483003	ELECTRICAL CONTROL BUILDING	I	B
		D	483007	CHEMICAL FEED SYSTEMS FOR DOMESTIC WATER	I	B
		D	484000	POWERHOUSE	I	B
		D	484004	POWER MAINTENANCE FACILITY BUILDING	I	B
		D	484009	VALVE HOUSE	I	B
		D	484010	OIL SHED BUILDING	I	B
		D	484013	STORAGE BUILDING	I	B
		D	484015	STORAGE SHED	I	B
		D	485000	COOLING TOWER	I	B
		D	607015	CHEMICAL FEED FACILITY	I	OSF
X	X	D	701001	MAINTENANCE SUPPORT ADMINISTRATION BUILDING	I	B
		D	702000	TELEPHONE EXCHANGE BUILDING	I	B
X	X	D	704000	AREA ADM. BLDG. & FIRST AID	I	B
X	X	D	707000	JANITORIAL SUBCONTRACT OFFICE	I	B
		D	710016	STORAGE BUILDING	I	B
X	X	D	711000	T&T OFFICE AND STORAGE BUILDING	I	B
X	X	D	711001	STORAGE BUILDING	I	B
X	X	D	717000	SHOPS, STORES AND CHANGE HOUSE	I	B
X	X	D	717001	STORAGE AREA	I	B

TABLE LS - D&D FACILITY LIST						
Mat	Target	Area	Number	Name	Type	Category
X	X	D	772000	CONTROL LABORATORY AND SUPV.'S OFFICE	I	B
		E	641000	HIGH POINT DRAIN	I	B
		E	642000	ADMINISTRATIVE BUILDING	I	B
		E	643029	BY PRODUCT/TRITIATED OIL STORAGE	N	B
		E	643043	MIXED WASTE STORAGE EXPANSION	N	B
		E	643044	STORAGE/WORK SPACE, MAINT, RIGGING, HEAVY EQUIP	I	OSF
		E	643046	STORAGE/WORK SPACE, MAINT, RIGGING, HEAVY EQUIP	I	OSF
		E	660003	TRU WASTE STORAGE BUILDING	I	B
		E	660004	TRU WASTE STORAGE PAD NO. 4	I	B
		E	660005	TRU WASTE STORAGE BUILDING NO. 5	I	B
		E	660006	TRU WASTE STORAGE PAD NO. 6	I	OSF
		E	660014	TRU WASTE STORAGE PAD NO. 14	I	OSF
		E	660015	TRU WASTE STORAGE PAD NO. 15	I	OSF
		E	660016	TRU WASTE STORAGE PAD NO. 16	I	OSF
		E	660017	TRU WASTE STORAGE PAD NO. 17	I	OSF
		E	660018	TRU WASTE STORAGE PAD NO. 18	I	OSF
		E	660019	TRU WASTE STORAGE PAD NO. 19	I	OSF
		E	661006	LOW ACTIVITY WASTE VAULT	N	B
		E	662000	ILT VAULT	N	B
		E	663000	ILNT VAULT	N	B
		E	664000	ASSOCIATED WASTE SHREDDER BUILDING	I	B
X		E	724007	BURYING GROUND ADMINISTRATION BUILDING	I	B
X		E	724008	EXPERIMENTAL TRU WASTE ASSAY BUILDING	N	B
X		E	724010	OFFICE/STORAGE BUILDING	I	B
X	X	F	221037	CONSTRUCTION CHANGE FACILITY	I	B
		F	711001	PIPE SHOP	I	B
		F	723003	CONSTRUCTION LAUNDRY ROOM	I	B
X	X (b)	F	211000	CANYON AUXILIARIES	N	OSF
X	X	F	211001	CONTROL HOUSE	I	B
X	X	F	211002	CONTROL AND CHECK HOUSE	I	B
X	X	F	211003	WASTE TRUCK UNLOADING HOUSE	N	B
X	X	F	211007	CHEMICAL HANDLING FACILITY	I	B
		F	211009	STORES DROP POINT	I	B
		F	221000	CANYON BUILDING	N	B
X		F	221001	A - LINE	N	B
X		F	221012	URANIUM OXIDE STORAGE	N	B
X	X	F	221013	CONTROL AND ALARM CENTER	I	B
X	X	F	221014	CONSTRUCTION LAYDOWN & B25 STORAGE BLDG	I	B
X	X	F	221020	COMPRESSOR BUILDING	I	B
X		F	221021	URANIUM OXIDE STORAGE BUILDING	N	B
X		F	221022	STORAGE BUILDING	N	B
X	X	F	221025	EQUIPMENT STORAGE FACILITY	I	B
X	X	F	221026	STORAGE BUILDING	I	B
X	X	F	221027	SEPARATIONS PLANNING & SCHEDULING BLDG.	I	B
X		F	221033	MATERIAL ACCESS CENTER WAREHOUSE	I	B
X	X	F	222000	COLD FEED PREP. AREA	I	B

TABLE 15 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		F	235000	METALLURGICAL BUILDING	N	B
		F	235001	REFRIGERATION BLDG. NO. 1	I	B
		F	235002	REFRIGERATION BLDG. NO. 2	I	B
		F	241000	WASTE STORAGE TANKS 1-8	I	OSF
		F	241001	CONTROL ROOM	N	B
		F	241002	FDB-1	N	OSF
		F	241011	GANG VALVE HOUSE	N	OSF
		F	241013	WEST PUMPHOUSE	I	OSF
		F	241017	EAST PUMPHOUSE	I	B
		F	241018	CONTROL ROOM/MCC	N	B
		F	241020	COOLING TOWERS/PUMPHOUSE SER 25-28,44-47	I	OSF
		F	241021	FDB-4 AND FPPs 2 AND 3	N	OSF
		F	241028	OFFICE/CHANGE ROOMS	I	B
		F	241032	FDB-6 DIVERSION BOX	N	OSF
		F	241033	FDB-5 DIVERSION BOX	N	OSF
		F	241053	AIR COMPRESSOR BUILDING	I	B
		F	241058	MAINTENANCE SHOP BUILDING	I	B
		F	241062	MCC BUILDING	I	B
		F	241064	AIR COMPRESSOR BLDG.	I	B
		F	241065	BREATHING AIR COMPRESSOR BLDG.	I	B
		F	241074	CONTROL ROOM/MCC	N	B
		F	241075	CESIUM REMOVAL CONTROL PUMP HOUSE	I	B
		F	241084	INTERIM RECORD STORAGE	I	B
		F	241091	WASTE CERTIFICATION BUILDING	N	B
		F	241093	ALARA STORAGE BUILDING	I	B
		F	241097	COOLING WATER BASIN	R	OSF
		F	241099	MCC BUILDING	I	B
		F	241104	STORAGE/SUPPLY BUILDING	I	B
		F	241901	WASTE STORAGE TANK	N	OSF
		F	241902	WASTE STORAGE TANK	N	OSF
		F	241903	WASTE STORAGE TANK	N	OSF
		F	241904	WASTE STORAGE TANK	N	OSF
		F	241905	WASTE STORAGE TANK	N	OSF
		F	241906	WASTE STORAGE TANK	N	OSF
		F	241907	WASTE STORAGE TANK	N	OSF
		F	241908	WASTE STORAGE TANK	N	OSF
		F	241917	WASTE STORAGE TANK	R	OSF
		F	241918	WASTE STORAGE TANK	N	OSF
		F	241919	WASTE STORAGE TANK	N	OSF
		F	241920	WASTE STORAGE TANK	R	OSF
		F	241925	WASTE STORAGE TANK	N	OSF
		F	241926	WASTE STORAGE TANK	N	OSF
		F	241927	WASTE STORAGE TANK	N	OSF
		F	241928	WASTE STORAGE TANK	N	OSF
		F	241933	WASTE STORAGE TANK	N	OSF
		F	241934	WASTE STORAGE TANK	N	OSF
		F	241944	WASTE STORAGE TANK	N	OSF
		F	241945	WASTE STORAGE TANK	N	OSF
		F	241946	WASTE STORAGE TANK	N	OSF
		F	241947	WASTE STORAGE TANK	N	OSF
		F	242000	1F EVAPORATOR	N	OSF

TABLE 1.5 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		F	242001	WASTE EVAPORATOR #1 CONTROL HOUSE	I	B
		F	242003	CTS PIT	I	OSF
		F	242008	RADCON TRAILER NEAR FDB-2	I	B
		F	242009	RADCON TRAILER NEAR TANKS 33/34	I	B
		F	242010	RADCON TRAILER NEAR TANK 4	I	B
		F	242011	RADCON TRAILER NEAR 1F EVAPORATOR	I	B
		F	242012	RADCON TRAILER AND 2F EVAPORATOR	I	B
		F	242016	2F EVAPORATOR	N	B
X	X	F	246000	EQUIPMENT TEST FACILITY	I	B
		F	246003	BLEND CABINET STORAGE BLDG	I	B
X	X	F	247000	MANUFACTURING BUILDING	R	B
X	X	F	247007	EC PROCESS BUILDING	I	OSF
X	X	F	247008	COMPRESSED GAS STORAGE BUILDING	I	B
		F	247012	OUTSIDE COLD FEED STORAGE FACILITY	I	B
X	X	F	247041	WAREHOUSE	I	B
X	X	F	247042	WAREHOUSE	I	B
X	X	F	249000	FAB SHOP	I	B
		F	251000	PRIMARY SUBSTATION (HIGH VOLTAGE 115KV)	I	OSF
		F	252024	SECONDARY TRANSFORMER STATION FOR 241F	I	OSF
		F	252046	SUBSTATION NEXT TO 772-F	I	OSF
		F	252068	TRANSFORMER-1	I	OSF
		F	252069	TRANSFORMER - 2	I	OSF
X	X	F	254002	DIESEL GENERATOR FACILITY, 246-F	I	B
X	X	F	254005	DIESEL HOUSE	N	B
X	X	F	254007	DIESEL GENERATOR	I	OSF
		F	254009	DIESEL GENERATOR	I	OSF
		F	254013	DIESEL GENERATOR BUILDING	I	B
X	X	F	263095	STORAGE SHED	I	B
		F	280001	CHEMICAL FEED BUILDING	N	B
X	X	F	280002	CHEMICAL FEED BUILDING	I	B
X		F	281001	RETURN WATER DELAYING BASIN	N	OSF
X		F	281002	RETURN WATER PUMPING BASIN	N	OSF
X		F	281004	MONITORING HOUSE	N	OSF
X		F	281005	SEGREGATED WATER DELAYING BASIN	N	OSF
X		F	281006	MONITORING HOUSE	N	B
		F	281008	STORAGE BASIN, 4 MILLION GALLON, LINED	R	OSF
		F	281010	FILTER AND DEIONIZER FACILITY	I	OSF
X	X	F	281025	COOLING WATER ACTIVITIES MONITORING BLDG	N	OSF
		F	282000	RESERVOIR AND PUMP HOUSE	I	OSF
		F	284008	POWER SERVICE BUILDING	I	B
X	X	F	284009	STORAGE BUILDING	I	B
X(c)	X (c)	F	284010	E&I SAFEGUARDS & SECURITY SHOP	N	B
X		F	285000	COOLING TOWER	I	OSF
		F	285003	CHILLER BUILDING	I	B
		F	285004	COOLING TOWER NO. 1	I	OSF
X		F	285005	COOLING TOWER	I	OSF
		F	291000	CANYON STACK	R	OSF
		F	292000	CANYON EXHAUST FAN HOUSE	R	B
		F	292001	VESSEL VENT FAN HOUSE	R	B

TABLE 18 - D&D FACILITY LIST

Max	Target	Area	Number	Name	Type	Category
		F	292002	SAND FILTER FAN HOUSE	R	B
		F	293000	METALLURGICAL BUILDING STACK	R	OSF
		F	294000	CANYON EXHAUST FILTERS	N	OSF
		F	294001	ADDITIONAL CANYON SAND FILTER	N	OSF
		F	294002	SAND FILTER FOR X	N	B
		F	607019	CHEMICAL FEED FACILITY	I	B
		F	607020	LIFT STATION	R	OSF
		F	607029	NAVAL FUEL PUMP STA FOR WASTEWATER TREATMNT FAC	I	OSF
		F	607030	F-AREA PUMP STA FOR WASTEWATER TREATMNT FAC	I	OSF
		F	641000	INTER TRANSFER LINES DIVER BOX/PUMP PIT (FDB-2)	N	OSF
X	X	F	701001	PATROL HEADQUARTERS	I	B
		F	701004	GATEHOUSE ENTRANCE TO 232-F	I	B
		F	701009	GATEHOUSE	I	B
X	X	F	701022	GUARDHOUSE	I	B
X	X	F	701023	GUARDHOUSE	I	B
		F	702000	TELEPHONE EXCHANGE BUILDING	I	B
X	X	F	703000	SEPARATIONS SUPPORT BUILDING	I	B
X	X	F	704000	AREA ADMIN AND SER. BLDG.	I	B
		F	704026	TEMP ADMINISTRATION BLDG	I	TRAILER
X	X	F	706000	PROJECT OFFICE BUILDING	I	B
		F	707000	SEPARATIONS SUPPORT SERVICES	I	B
		F	707001	A-LINE CHANGE HOUSE	I	B
X	X	F	707002	REGULATED SHOPS	I	B
		F	707007	GENERAL ADMINISTRATIVE FACILITY	I	B
X	X	F	709000	FIRE STATION #2	I	B
X	X	F	709001	FIRE PROTECTION EQUIPMENT BUILDING	I	B
		F	711000	STEEL & PIPE STORAGE BUILDING	I	B
		F	717000	AREA SHOPS	I	B
		F	717011	OFFICE BUILDING	I	B
		F	717012	CRAFT BLDG/STORAGE X	I	B
X	X	F	717014	CONST CRAFT MATERIAL STORAGE BLDG	I	B
		F	720000	CENTRAL ALARM STATION (CAS)	I	B
X	X	F	723000	LAUNDRY	I	B
X	X	F	728000	URANIUM OXIDE STORAGE	N	B
X	X	F	729000	RESPIRATOR FIT TEST TRAILER	I	B
X	X	F	730000	STORAGE BUILDING	N	B
		F	772000	CONTROL LABORATORY	N	B
		F	772001	PRODUCTION CONTROL FACILITY	N	B
		F	772004	LAB HEPA FILTRATION BLDG	R	B
		F	902003	FIRE WATER PUMP HOUSE	I	B
X	X	F	905037	WELL, NORTH OF 252-7F (ABANDONED)	I	B
		F	905100	WASTE TANK PROCESS WATER WELL SW 284-F	I	B
		G	504001	SWITCHING STATION	I	B
		G	504002	SWITCHING STATION	I	B
		G	504003	SWITCHING STATION	I	B
		G	607059	CHEM FEED BLDG FOR WASTEWATER TREATMENT EQPMNT	I	B
		G	607062	INFLUENT HEADWRKS FOR WASTEWATER	I	OSF

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TABLE 1.5 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
				TREATMENT EQPMNT		
		G	607063	EQUALIZATION BASIN FOR WASTEWATER TREATMENT EQPMNT	I	OSF
		G	607065	PUMP STA 4000B FOR WASTEWATER TREATMENT FACILITY	I	OSF
		G	607066	PUMP STA 4000C FOR WASTEWATER TREATMENT FACILITY	I	OSF
		G	607067	PUMP STA5000A FOR WASTEWATER TREATMENT FACILITY	I	OSF
		G	607068	PUMP STA 6000A FOR WASTEWATER TREATMENT FACILITY	I	OSF
		G	607070	OXIDATN DITCH & CLARIFR #1 WASTWTR TREATMNT EQPMNT	I	OSF
		G	607071	OXIDATN DITCH & CLARIFR #2 WASTWTR TREATMNT EQPMNT	I	OSF
		G	607072	OXIDATN DITCH & CLARIFR #3 WASTWTR TREATMNT EQPMNT	I	OSF
		G	607074	UV DISINFECTN BASIN& CASCDE UNIT WSTWTR TRTMNT EQP	I	OSF
		G	607075	SLUDGE THICKENER WASTEWATER TREATMENT EQUIPMENT	I	OSF
		G	607085	PUMP STATION 2000B FOR WASTEWATER TREATMENT FACILTY	I	OSF
		G	607086	PUMP STATION 3000A FOR WASTEWATER TREATMENT FACILTY	I	OSF
		G	607087	PUMP STATION 4000A FOR WASTEWATER TREATMENT FACILTY	I	OSF
		G	607088	CSWTF MAINTENANCE BUILDING	I	B
		G	607091	SANITARY SEWAGE PUMP STATION	I	OSF
		G	608000	TRACK SCALE HOUSE	I	B
		G	609000	TRACK MAINTENANCE BUILDING	I	B
		G	614048	WIND DATA BUILDING-N OF A-AREA	I	B
		G	614050	WIND DATA BUILDING-N-NW OF H-AREA	I	B
		G	614051	WIND DATA BUILDING-E-SE OF F-AREA	I	B
		G	614052	WIND DATA BUILDING-S-SE OF C-AREA	I	B
		G	614053	WIND DATA BUILDING-E-SE OF K-AREA	I	B
		G	614054	WIND DATA BUILDING-SE OF P-AREA	I	B
		G	614055	WIND DATA BUILDING-E OF L-AREA	I	B
		G	614056	EQUIPMENT SHED	I	B
		G	614057	EQUIPMENT SHED	I	B
		G	614058	EQUIPMENT SHED	I	B
		G	614059	EQUIPMENT SHED	I	B
		G	614060	EQUIPMENT SHED	I	B
		G	614061	EQUIPMENT SHED	I	B
		G	614062	EQUIPMENT SHED	I	B
		G	614063	EQUIPMENT SHED	I	B
		G	614064	EQUIPMENT SHED	I	B
		G	614065	EQUIPMENT SHED	I	B
		G	614066	EQUIPMENT SHED	I	B
		G	614067	EQUIPMENT SHED	I	B
		G	617000	SECURITY CLASS ROOM	I	B
		G	618000	LOCOMOTIVE SHOP	I	B

TABLE 15 D&D FACILITY LIST

Max	Target	Area	Number	Name	Type	Category
		G	620002	UNDERGROUND GASOLINE STORAGE TANK	I	OSF
		G	623030	COMMUNICATIONS FACILITY	I	B
		G	623040	RADIO TRUNKING TOWER	I	OSF
X		G	647000	WAREHOUSE	I	B
		G	651001	PRIMARY TRANSFORMER SUBSTATION/681-1G	I	OSF
		G	651003	PRIMARY TRANSFORMER SUBSTATION/681-3G	I	B
		G	651006	PRIMARY TRANSFORMER SUBSTATION/681-6G	I	B
		G	652053	EMERG TRANS WASTEWTR TREATMNT EQUIP (WAS 654001G)	I	OSF
		G	661000	PATROL TRAINING BLDG-RIFLE & PISTOL RANGE	I	B
		G	661002	FIRING SHED	I	B
		G	675000	SLURRY TANK (ABANDONED)(ACCOUNTING PURPOSE)	I	OSF
		G	681000	WELLHSE & HYDROPNEUMATIC TANK WASTWTR TREATMNT EQP	I	B
		G	681001	UP-STREAM WATER PUMP HOUSE FOR 100 AREAS	I	B
		G	681003	DOWN-STREAM WATER PUMP HOUSE FOR 100AREA	I	B
		G	681005	WATER PUMP HOUSE FOR 400 AREA	I	B
		G	681006	PAR POND PUMP HOUSE	I	B
		G	681007	PUMP HOUSE EQUIP BLDG-ADJACENT TO 681- 6G	I	B
		G	682000	ELEVATED WATER STORAGE TANK	I	OSF
		G	682001	ELEVATED WATER STORAGE TANK	I	OSF
		G	686001	DAM SERVICE BUILDING	I	B
		G	701002	GATEHOUSE, ALLENDALE ENTRANCE	I	B
		G	701004	GATEHOUSE, WILLISTON ENTRANCE	I	B
		G	701008	GUARDHOUSE HW 125 - RD. 2	I	B
		G	701012	GUARDHOUSE HW 125 - RD. 3	I	B
		G	701013	GUARDHOUSE HW 125 - RD. 6	I	B
		G	701018	GUARDHOUSE AT RD 1 AND D-1 (PECAN GATE)	I	B
		G	704016	ADMIN BUILDING FOR WASTEWATER TREATMENT EQUIPMENT	I	B
		G	706001	STORAGE BUILDING	I	B
		G	709001	100 AREA FIRE STATION	I	B
		G	709007	FIRE STATION	I	B
		G	710006	PAINT STORAGE SHELTER	I	B
		G	714007	SEPARATIONS PROCESS STORAGE	N	OSF
		G	735007	ENVIRON. SUPPORT FAC., PAR POND	I	B
		G	735008	GREENHOUSE	I	B
		G	737000	LABORATORY FOR UGA	I	B
		G	739000	GREENHOUSE FOR THERMAL EFFECTS LAB.	I	B
		G	740010	INTERIM SANITARY LANDFILL	I	B
		G	760000	U.S. FOREST SERVICE HEADQUARTERS	I	B
		G	760001	U.S. FOREST SERVICE HEADQUARTERS	I	B
		G	760004	FOREST SERVICE STORAGE BLDG.	I	B
		G	760009	SR FOREST STATION EQUIP. BLDG.	I	B
		G	760011	SR ARCHAEOLOGICAL HDQTRS.	I	B
		G	760012	DEER HUNT BUILDING	I	B

TABLE 15 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		G	760013	STORAGE BUILDING	I	B
		G	760015	ADMINISTRATION FACILITY - FOREST SERVICE	I	B
		G	760017	STORAGE SHELTER	I	B
		G	760019	HEAVY EQUIPMENT STORAGE SHELTER	I	B
		G	772001	ECOLOGY RESEARCH LABORATORY ANNEX	I	B
		G	772007	STORAGE BUILDING	I	B
X		G	772008	CORE STORAGE	I	B
X		G	772009	CORE STORAGE	I	B
X		G	772010	CORE STORAGE	I	B
		G	782001	FRP SURGE CONTAINMENT OF INJECTION WATER TANK	I	B
		G	782002	FRP SURGE CONTAINMENT OF EXTRACTED WATER TANK	I	B
		G	782004	TREAT EXTRACTED GROUNDWATER	I	B
		G	782007	FRP SURGE TANK	I	B
		G	782008	FRP INJECTION TANK	I	B
		G	782012	TREAT EXTRACTED GROUNDWATER	I	B
		G	904047	TREBLER SAMPLER, #1 FOR 904-41G(ABANDON)	I	OSF
		G	904048	TREBLER SAMPLER, #2 FOR 904-44G(ABANDON)	I	OSF
		G	904108	TREBLER SAMPLER PIT NO. 3	I	B
		G	904109	TREBLER SAMPLER PIT NO. 4	I	B
		G	681023	CHLORINE BUILDING	I	B
		G	760003	HUNT ASSY. BLDG.	I	B
		H	211027	LEU LOADING STATION	I	OSF
		H	221017	STORAGE BUILDING	I	B
		H	221018	STORAGE BUILDING	I	B
		H	221021	B-LINE STORAGE BUILDING	I	B
		H	224000	MERCURY STORAGE BUILDING	I	B
		H	241146	FIRE SUPPRESSION FOAM HOUSE	I	B
		H	701015	GUARDHOUSE	I	B
		H	782001	PUMP HOUSE	I	B
		H	211000	CANYON AUXILIARIES	N	OSF
		H	211007	CHEMICAL STORAGE BUILDING	I	B
		H	211008	CONTROL ROOM	I	B
		H	211009	MCC NO. 1	I	B
		H	211010	MCC NO. 2	I	B
		H	211017	15K GAL UNH STORAGE TK ELECT CONTROL RM	I	B
		H	221000	CANYON BUILDING	N	B
		H	221004	DECONTAMINATION CELL MAINTENANCE FAC	I	B
		H	221019	STORAGE BUILDING	I	B
		H	222000	COLD FEED PREPERATION FACILITY	I	B
		H	225006	WAREHOUSE	I	B
		H	228000	SAFEGUARDS & HP SHOP	I	B
X		H	230000	DEMONSTRATION WASTE INCINERATOR	I	B
		H	241000	WASTE STORAGE TANKS 9-16	N	OSF
		H	241002	3H CONTROL ROOM & OFFICE BUILDING	N	B
		H	241003	HDB-3	N	OSF
		H	241008	DIVERSION BOX 4 AND GANG VALVE HOUSE	N	OSF
		H	241013	WEST PUMP HOUSE	I	B
		H	241014	EAST PUMP HOUSE	I	B

TABLE 15 - D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		H	241015	WASTE STORAGE TANKS 38 THRU 43	I	OSF
		H	241017	BREATHING AIR COMPRESSOR BLDG.	I	B
		H	241018	TREATED WATER STORAGE TANK	R	OSF
		H	241019	TREATED WATER STORAGE TANK	R	OSF
		H	241020	TREATED WATER STORAGE TANK	R	OSF
		H	241025	PORTABLE GANG VALVE HOUSE	I	B
		H	241027	DIVERSION BOX	I	OSF
		H	241028	2H CONTROL ROOM & OFFICE BUILDING	N	B
		H	241029	COOLING TOWER FOR EVAP #2	I	OSF
		H	241031	DB#7 AND GANG VALVE HOUSE	N	OSF
		H	241032	COLD FEEDS AREA	N	OSF
		H	241034	IX/RO/EVAPORATOR OH TANK CONTAINMENT	R	OSF
		H	241035	HDB-2 AND PUMP PITS 1-4	N	OSF
		H	241036	EVAPORATOR CONDENSER TANK CONTAINMENT	R	OSF
		H	241037	EVAPORATOR FEED TANK	R	OSF
		H	241049	FAR EAST PUMP HOUSE	I	B
		H	241052	DIVERSION BOX DB#5	N	OSF
		H	241053	HVAC HEPA CONTAINMENT	R	OSF
		H	241056	HDB-6	N	OSF
		H	241057	LAUNDRY BUILDING	I	B
		H	241058	MAINTENANCE AND E & I SHOP	I	B
		H	241062	MOTOR CONTROL CENTER	I	B
		H	241064	PROCESS AIR COMPRESSOR BUILDING	I	B
		H	241065	MAINTENANCE OFFICE BUILDING	I	B
		H	241070	PROCESS PUMP PIT FOR NEW WASTE HEADER	N	B
		H	241074	CONTROL ROOM & MCC BUILDING	N	OSF
		H	241075	WASTEWATER COLLECTION TANK CONTAINMENT	R	OSF
		H	241076	MERCURY REMOVAL AND CARBON TANK AREA	R	OSF
		H	241081	TREATMENT BUILDING	R	B
		H	241082	ITP CONTROL ROOM	N	B
		H	241084	CONTROL BUILDING	R	B
		H	241085	PERSONNEL MONITOR BUILDING NORTH GATE	I	B
		H	241086	PERSONNEL MONITOR BUILDING A	I	B
		H	241087	PERSONNEL MONITOR BLDG. NW OF 241-58H	I	B
		H	241088	EQUIPMENT STORAGE	I	B
		H	241089	STORAGE & SUPPLY BUILDING	N	B
		H	241090	STORAGE & SUPPLY BUILDING	I	B
		H	241092	STORAGE & SUPPLY BUILDING	I	B
		H	241096	FILTER/STRIPPER BUILDING	N	B
		H	241098	CHEMICAL ADDITION PORTABLE BUILDING	N	OSF
		H	241099	CHEMICAL ADDITION PORTABLE BUILDING	N	OSF
		H	241100	HDB8 FACILITY	N	B
		H	241101	HDB8 HVAC BLDG. FILTER BLDG.	I	B
		H	241102	OFFICE/WAREHOUSE	N	B
		H	241103	COOLING WATER BASIN	R	OSF
		H	241104	INFLUENT PUMP STATION	I	OSF
		H	241105	MCC BUILDING	I	B
		H	241125	FIRE WATER PUMP HOUSE	I	B

TABLE 15 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		H	241149	ETF STORAGE BUILDING	I	B
		H	241214	DCS I/O STATION	I	B
		H	241224	RBA ENTRANCE SHACK TO TKS 9-12	I	B
		H	241227	RBA ENTRANCE SHACK TO TANKS 29-32 AND 35-37	I	B
		H	241228	RBA ENTRANCE SHACK TO TANKS 13-16	I	B
		H	241229	RBA ENTRANCE SHACK TO PUMP PIT 5 & 6	I	B
		H	241242	EPVE STORAGE BUILDING	N	B
		H	241243	NITROGEN STORAGE FACILITY	I	OSF
		H	241270	STORM WATER DIVERSION BOX	I	OSF
		H	241271	STORM WATER DIVERSION BOX	I	OSF
		H	241909	WASTE STORAGE TANK	N	OSF
		H	241910	WASTE STORAGE TANK	N	OSF
		H	241911	WASTE STORAGE TANK	N	OSF
		H	241912	WASTE STORAGE TANK	N	OSF
		H	241913	WASTE STORAGE TANK	N	OSF
		H	241914	WASTE STORAGE TANK	N	OSF
		H	241915	WASTE STORAGE TANK	N	OSF
		H	241916	WASTE STORAGE TANK	N	OSF
		H	241921	WASTE STORAGE TANK	N	OSF
		H	241922	WASTE STORAGE TANK	N	OSF
		H	241923	WASTE STORAGE TANK	N	OSF
		H	241924	WASTE STORAGE TANK	N	OSF
		H	241929	WASTE STORAGE TANK	N	OSF
		H	241930	WASTE STORAGE TANK	N	OSF
		H	241931	WASTE STORAGE TANK	N	OSF
		H	241932	WASTE STORAGE TANK	N	OSF
		H	241935	WASTE STORAGE TANK	N	OSF
		H	241936	WASTE STORAGE TANK	N	OSF
		H	241937	WASTE STORAGE TANK	N	OSF
		H	241938	WASTE STORAGE TANK	N	OSF
		H	241939	WASTE STORAGE TANK	N	OSF
		H	241940	WASTE STORAGE TANK	N	OSF
		H	241941	WASTE STORAGE TANK	N	OSF
		H	241942	WASTE STORAGE TANK	N	OSF
		H	241943	WASTE STORAGE TANK	N	OSF
		H	241948	WASTE STORAGE TANK	N	OSF
		H	241949	WASTE STORAGE TANK	N	OSF
		H	241950	WASTE STORAGE TANK	N	OSF
		H	241951	WASTE STORAGE TANK	N	OSF
		H	242000	1H EVAPORATOR	N	OSF
		H	242001	1H EVAPORATOR CONTROL BUILDING	N	B
		H	242009	HEPA FILTER BUILDING FOR 3H EVAPORATOR	I	B
		H	242011	SERVICE BUILDING FOR 3H EVAPORATOR	I	B
		H	242016	2H EVAPORATOR	N	B
		H	242018	CTS - H-AREA	N	OSF
		H	242024	CHANGE ROOM AND OFFICE BUILDING	I	B
		H	242025	3H EVAPORATOR CONNECTED WITH 242-11H SERVICE BLDG.	N	B
		H	244000	RECEIVING BASIN FOR OFF-SITE FUEL	N	B
		H	244001	RBOF STORAGE BUILDING	I	B

TABLE 15 - D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		H	245000	RESIN REGENERATION BUILDING	N	B
		H	245001	PARKING AREA / REGENERATION ACTIVITIES	I	OSF
		H	251000	PRIMARY SUBSTATION (HIGH VOLTAGE 115KV)	I	B
		H	252022	TRANSFORMER	I	OSF
		H	253000	RADIOLOGICAL MONITORING EQUIPMENT SHOP	I	B
		H	254005	DIESEL HOUSE	N	B
		H	254016	DIESEL GENERATOR FOR 241-2H	I	OSF
		H	254019	DIESEL GENERATOR BUILDING FOR CANYON EXHAUST	I	B
		H	261000	HAZARDOUS WASTE INCINERATOR	R	OSF
		H	262000	CIF TANK FARM	R	B
		H	280001	BASIN	N	B
		H	281001	RETURN WATER DELAYING BASIN	N	OSF
		H	281002	RETURN WATER PUMPING BASIN	N	OSF
		H	281004	MONITORING HOUSE	N	B
		H	281005	SEGREGATED WATER DELAYING BASIN	N	OSF
		H	281006	MONITORING HOUSE	N	B
		H	281008	STORAGE BASIN, 4 MILLION GALLON, LINED	R	OSF
		H	281010	FILTER AND DEIONIZER FACILITY	I	OSF
		H	281013	COOLING WATER MONITOR HOUSE	N	B
		H	281014	COOLING WATER MONITOR HOUSE	N	B
		H	281015	COOLING WATER MONITOR HOUSE	N	B
		H	281016	COOLING WATER MONITOR HOUSE	N	B
		H	281017	COOLING WATER MONITOR HOUSE	N	B
		H	281018	COOLING WATER MONITOR HOUSE	N	B
		H	282000	RESERVOIR AND PUMP HOUSE	I	OSF
		H	284000	POWERHOUSE	I	B
		H	284007	MAINTENANCE LAYDOWN BUILDING	I	B
		H	284010	COAL HANDLER OBSERVATION BUILDING	I	B
		H	285000	COOLING TOWER	I	OSF
		H	285010	COOLING TOWERS & CHEMICAL ADDITION BUILDING	I	OSF
		H	291000	CANYON STACK	R	OSF
		H	292000	CANYON EXHAUST FAN HOUSE	R	B
		H	292001	VESSEL VENT FAN HOUSE	R	B
		H	292002	FAN HOUSE BUILDING	R	B
		H	292003	STACK MONITORING EQUIPMENT BUILDING	N	B
		H	294000	CANYON EXHAUST FILTERS	N	OSF
		H	294001	ADDITIONAL CANYON SAND FILTER	N	OSF
		H	299000	MAINTENANCE FACILITY	N	B
		H	299002	AIR COMPRESSOR BUILDING	I	B
		H	299004	STORAGE/SUPPLY BUILDING	N	B
		H	299005	CRANE SHELTER	I	B
		H	607020	CHEMICAL FEED FACILITY	I	B
		H	607024	LIFT STATION	R	OSF
		H	607033	SOLVENT TANK	N	OSF
		H	607034	SOLVENT TANK	N	OSF
		H	607035	SOLVENT TANK	N	OSF
		H	607036	SOLVENT TANK	N	OSF
		H	607040	H-AREA PUMP STATION FOR WASTEWATER	I	OSF

TABLE 18 - D&D FACILITY LIST

Max	Target	Area	Number	Name	Type	Category
				TREATMENT FAC		
		H	701001	PARTOL HEADQUARTERS	I	B
		H	701003	GATEHOUSE ENTRANCE TO 232-H & X	I	B
		H	701019	SOUTH GATE GUARD SHACK	I	B
		H	701020	WEST BADGE HOUSE	I	B
		H	701023	GATE "Q" ECF	I	B
		H	701034	ENTRY CONTROL FACILITY (FOR HTF AREA)	I	B
		H	702000	TELEPHONE EXCHANGE BUILDING	I	B
		H	703000	OFFICE BUILDING	I	B
		H	704000	AREA ADMINISTRATION & SERVICE BUILDING	I	B
		H	704002	ADMINISTRATION BUILDING	I	B
		H	704055	CONSTRUCTION ADMINISTRATION OFFICE	I	B
		H	704056	OFFICE BUILDING	I	B
		H	705000	TRAINING BUILDING	I	B
		H	706000	OFFICE BUILDING	I	B
		H	707000	OFFICE BUILDING	I	B
		H	719000	MEDICAL FACILITY	I	B
		H	720000	CENTRAL ALARM STATION (CAS)	I	B
		H	724000	OFFICE, SHOP & STORAGE BUILDING	I	B
		H	766000	SRS CENTRAL TRAINING FACILITY	I	B
		H	772000	PRE-FABRICATED BUILDING	I	B
		H	902003	FIRE WATER PUMP HOUSE	I	B
		H	905087	DEEPWELL	I	B
		K	105000	REACTOR BUILDING	N	B
		K	105001	NO. 1&4 BASIN DEIONIZERS (POR) PAD FAC	I	B
		K	105003	DISASSEMBLY BASIN FILTRATION FAC.	I	OSF
		K	105013	HEAVY WATER STORAGE FACILITY	N	B
		K	107000	COOLING WATER EFFLUENT SUMP	I	OSF
		K	108001	ENGINE HOUSE	I	B
		K	108002	ENGINE HOUSE	I	B
		K	151001	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	B
		K	151002	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	B
		K	183002	FILTER AND SOFTENER PLANT	I	B
		K	183003	DIESEL GENERATOR CONTROL BUILDING	I	OSF
X		K	183004	CLARIFICATION PLANT (MISC. SERVICES)	I	B
		K	184000	POWERHOUSE	I	B
		K	184002	SHELTER FOR DIESEL FUEL OIL STORAGE TANK NO. 1 & 2	I	B
X		K	185000	COOLING TOWER	I	B
X		K	185003	COOLING TOWER	I	OSF
X (d)		K	186000	COOLING WATER RESERVOIR	I	OSF
X		K	186001	SODIUM HYPOCHLORITE TANK STORAGE	I	B
X (d)		K	190000	COOLING WATER PUMP HOUSE	I	B
		K	192000	PUMPHOUSE-DOMESTIC & FIRE WATER SYSTEM	I	B
		K	192002	PUMPHOUSE-REACTOR FIRE WATER SYSTEM	I	B
		K	607018	CHEMICAL FEED BUILDING	I	B
X		K	607020	DIVERSION BOX	I	OSF
X		K	614002	EFFLUENT MONITORING BUILDING	I	B
		K	701001	AREA GATEHOUSE & PATROL HQ.	I	B
		K	701002	GATEHOUSE ENTRANCE AT BLDG X	I	B

TABLE 15 - D&D FACILITY LIST

Mar	Target	Area	Number	Name	Type	Category
		K	702000	TELEPHONE EXCHANGE BUILDING	I	B
		K	704000	AREA ADM. & SERVICES BUILDING	I	B
		K	705000	ADMINISTRATIVE OFFICE FACILITY	I	B
		K	717000	VIDEO-SAFEGUARDS MAINTENANCE FACILITY	I	B
		K	717016	LUMBER STORAGE SHED (K-Area Craft Building)	I	B
X		K	901001	POLYPHOSPHATE UNLOADING AND STORAGE FACILITY	I	B
		K	915000	DOMESTIC WATER ELEVATED STORAGE TANK	I	OSF
		K	711000	MAINTENANCE MATERIAL STORAGE BUILDING	I	B
		L	184006	STORAGE BUILDING	I	B
		L	711000	MAINTENANCE MATERIAL STORAGE BUILDING	I	B
		L	105000	REACTOR BUILDING	N	B
		L	105009	SETTLER TANK & FILTERS AREA	I	B
		L	105010	L-REACTOR DISASSEMBLY BASIN DEIONIZER SYSTEM	I	B
		L	108001	ENGINE HOUSE	I	B
		L	108002	ENGINE HOUSE	I	B
		L	108004	EMERG DIESEL GENER & FUEL OIL STORAGE	I	OSF
X		L	110000	HELIUM STORAGE TANK	I	OSF
		L	151001	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	B
		L	151002	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	B
		L	152007	GENERATOR ROOM	I	B
		L	183002	FILTER AND SOFTENER PLANT	I	B
X		L	183003	DIESEL GENERATOR CONTROL BUILDING	I	OSF
X		L	183004	CLARIFICATION PLANT (MISC. SERVICES)	I	B
X		L	186000	COOLING WATER RESERVOIR	I	OSF
X		L	190000	COOLING WATER PUMP HOUSE	I	B
X		L	191000	STANDBY PUMP HOUSE	I	B
		L	607019	CHEMICAL STORAGE BUILDING	I	B
X		L	614002	EFFLUENT MONITORING BUILDING	I	B
		L	701001	AREA GATEHOUSE & PATROL HQ. X	I	B
		L	701002	GATEHOUSE ENTRANCE AT BLDG	I	B
		L	702000	TELEPHONE EXCHANGE BUILDING	I	B
		L	704000	AREA ADM. & SERVICES BUILDING	I	B
		L	723000	CONTAMINATED LAUNDRY STORAGE BLDG.	I	B
X		L	723001	CLOTHING CHANGE FACILITY	I	B
X		L	723002	CLOTHING CHANGE FACILITY	I	B
X		L	723003	CLOTHING CHANGE FACILITY	I	B
		L	723004	SWP CLOTHING BUILDING	I	B
X	X	M	313000	CANNING BUILDING	I	B
X		M	315000	ESSENTIAL MATERIALS WAREHOUSE	I	B
X		M	315004	CONTAINER STORAGE FACILITY	R	B
X	X	M	316000	DRUM STORAGE FACILITY	R	B
X	X	M	316001	CHEMICAL STORAGE PAD	I	B
X	X	M	320000	ALLOY BUILDING	I	B
X	X	M	321000	MANUFACTURING BUILDING	I	B
X	X	M	322000	METALLURGICAL LABORATORY	I	B
		M	323000	MCC FOR GROUND WATER TREATMENT	I	B
X	X	M	324000	VERTICAL PRESS BUILDING (ABANDONED)	I	B
X	X	M	330000	SLUG WAREHOUSE	N	B
X	X	M	331000	CORE STORAGE WAREHOUSE	N	B

b2

TABLE 15 D&D FACILITY LIST

Max	Target	Area	Number	Name	Type	Category
X	X	M	340000	LAB WASTE TREATMENT FACILITY	I	B
X	X	M	341000	DILUTE EFFLUENT TREATMENT FACILITY	I	B
X	X	M	341001	TANK FARM CONTAINMENT COVER	I	B
X	X	M	341008	VENDOR TREATMENT FACILITY	I	B
X	X	M	363001	ELECTRICAL STORAGE BUILDING (FORMERLY MS4)	I	B
X	X	M	363002	ELECTRICAL STORAGE BUILDING (FORMERLY MS5)	I	B
X	X	M	701001	MAIN GATEHOUSE	I	B
X	X	M	701004	HARDEN ENTRY CONTROL FACILITY TO 321-M	I	B
X	X	M	704000	AREA ADMINISTRATION BUILDING	I	B
X		M	730000	ENGINEERING & TRAINING BUILDING	I	B
		M	782001	PUMP HOUSE	I	B
X		N	278002	ICE HOUSE	I	B
X		N	607038	CHEMICAL FEED FACILITY	I	B
		N	607084	PUMP STATION 2000A FOR WASTEWATER TREATMENT FACILITY	I	OSF
		N	623027	SRS CENTRAL CLIMATOLOGY DATA STATION	I	B
		N	645000	STOR FAC FOR NON-RADIOACTIVE HAZ WASTE	N	B
		N	645001	ADMINISTRATION BUILDING	I	B
		N	645002	INTERIM STORAGE FAC	N	B
		N	645004	SOLID HAZARDOUS WASTE STORAGE BLDG	N	B
		N	652012	SEC TRANS SUBSTATION	I	OSF
		N	681017	PUMP HOUSE	I	B
		N	690000	PROCESS HEAT EXCHANGER REPAIR FAC	I	B
		N	704000	CONSTRUCTION ADMINISTRATION BUILDING	I	B
		N	704001	SRQA BUILDING, C/S	I	B
X		N	704002	CONCRETE OFFICE	I	B
		N	704003	C/S CAB BUILDING	I	B
		N	704004	MILLER DUNN ELECTRIC BUILDING	I	B
		N	705000	ADMINISTRATION BUILDING	I	B
		N	706000	ADMINISTRATION BUILDING	I	B
		N	706003	HEAVY EQUIP STORAGE SHED	I	B
X		N	710000	EXCESS STORAGE	I	B
		N	710006	HE OIL STORAGE BUILDING	I	B
		N	710007	STORAGE SHED	I	B
		N	710010	CABLE SHED	I	B
		N	710012	TIRE STORAGE CANOPY	I	B
		N	710014	EQUIPMENT SHED	I	B
		N	710015	STORAGE SHED	I	B
		N	710017	FLAMABLE STORAGE	I	B
		N	711000	PIPE AND MECHANICAL SHOP	I	B
		N	711001	PIPE, NPC OFFICES-ELECTRICAL SHOP	I	B
		N	711002	SPECIAL PROJECTS-ADDN.	I	B
X		N	711003	PIPE WAREHOUSE	I	B
		N	711006	X-RAY	I	B
		N	711009	MECHANICAL SHOP	I	B
		N	713000	B WAREHOUSE, C/S	I	B
		N	713001	A WAREHOUSE, CMR, ISC CONTROL #31	I	B
		N	713002	DOUBLE BAY WAREHOUSE FOR S-AREA	I	B
		N	713003	WAREHOUSE FOR S-AREA	I	B

TABLE 1.5 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		N	714000	STORAGE BUILDING	I	B
		N	714002	SPARE EQUIPMENT STORAGE	I	B
		N	714005	REACTOR COMPONENT STORAGE	I	B
		N	714006	MISCELLANEOUS STORAGE (SYLCOR)	I	B
		N	714007	SEPERATIONS PROCESS STORAGE	I	B
		N	716000	GARAGE, SVC STATION, COMPRESSOR HOUSE	I	B
		N	716001	NEW STEAM CLEANING	I	B
		N	716004	HEAVY EQUIPMENT WASH AREA	I	B
		N	717000	SIW SHOP	I	B
		N	717001	BOILERMAKER SHOP	I	B
		N	717003	SHEETMETAL SHOP	I	B
		N	717005	PTL., INST., QA & WAREHOUSE	I	B
		N	717008	CARPENTER SHOP AND OFFICE	I	B
		N	717009	LAYOUT, T&I OFFICES, WELD TEST	I	B
		N	717010	WAREHOUSE AND INSULATION SHOP	I	B
X		N	717011	ELECTRICAL LINEMEN'S OFFICE/WAREHOUSE	I	B
X		N	717012	CONSTRUCTION SORT BUILDING	I	B
		N	717021	SMALL TOOL REPAIR SHOP	I	B
		N	719000	PROPERTY MANAGEMENT	I	B
		N	719005	CONSTRUCTION EMPLOYMENT BUILDING	I	B
		N	722000	E&I SHOP	I	B
		N	725000	PAINT	I	B
		N	725001	A SAND BLAST SHED	I	B
		N	725002	PAINT SHED	I	B
		N	726001	COAL SAMPLING FACILITY	I	B
		N	728000	CASK REPAIR FACILITY	I	B
		N	730000	FURNITURE STORAGE WAREHOUSE	I	B
		N	731000	ASSET SUPPORT GROUP BUILDING	I	B
		N	731001	RECEIVING FACILITY-MAT'L RECEV & STOR FAC	I	B
		N	731002	BULK STORAGE WHSE-MAT'L MGMT RECV & STOR FAC	I	B
		N	731003	SPARE PARTS WHSE-MAT'L MGMT RECV & STOR FAC	I	B
		N	731004	GENERAL STORES WAREHOUSE	I	B
		N	731005	FLAMMABLE MATERIAL STORAGE	I	B
		N	731006	COMPRESSED GAS STORAGE	I	B
		N	741000	SALVAGE AND RECLAMATION BUILDING	I	B
		N	741001	PCB STORAGE FACILITY	N	B
		N	741002	USED DRUM AND BATTERY STORAGE	I	B
		N	711005	PLUMBING MAINTENANCE AREA	I	B
		N	715002	BULK FUEL FACILITY	I	B
		N	717015	RECLAIMING BUILDING	I	B
		P	105000	REACTOR BUILDING	R	B
		P	105013	HEAVY WATER STORAGE FACILITY	I	B
X		P	107000	COOLING WATER EFFLUENT SUMP	I	OSF
		P	108001	ENGINE HOUSE	I	B
		P	108002	ENGINE HOUSE	I	B
		P	151001	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	B
		P	151002	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	B
X		P	152007	GENERATOR ROOM	I	B

TABLE 15 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
X		P	183002	FILTER AND SOFTENER PLANT	I	B
X		P	183004	CLARIFICATION PLANT (MISC. SERVICES)	I	B
X		P	186000	COOLING WATER RESERVOIR	I	OSF
X		P	186001	SODIUM HYPOCHLORITE TANK STORAGE	I	OSF
X		P	190000	COOLING WATER PUMP HOUSE	I	B
X		P	607022	CHEMICAL FEED FACILITY	I	B
X		P	607024	EQUALIZATION BASIN	I	OSF
X		P	614002	EFFLUENT MONITORING BUILDING	I	B
		P	701001	AREA GATEHOUSE & PATROL HQ.	I	B
X		P	701002	GATEHOUSE ENTRANCE AT BLDG. 105	I	B
		P	702000	TELEPHONE EXCHANGE BUILDING	I	B
X		P	704000	AREA ADM. & SERVICES BUILDING	I	B
		R	105000	REACTOR BUILDING (STANDBY)	N	B
		R	108001	ENGINE HOUSE (STANDBY)	I	B
		R	108002	ENGINE HOUSE (STANDBY)	I	B
X		R	109000	PURGE WATER STORAGE BASIN (IN STANDBY)	R	OSF
X		R	122000	PROCESS STORAGE BUILDING	N	B
		R	151001	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	B
X		R	151002	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	I	B
X		R	183001	CLARIFICATION PLANT(COOLING WATER)	I	OSF
X		R	183002	FILTER AND SOFTENER PLANT (STANDBY)	I	OSF
X		R	186000	COOLING WATER RESERVOIR (STANDBY)	I	OSF
X		R	190000	COOLING WATER PUMP HOUSE (STANDBY)	I	B
		S	210000	SERVICE BUILDING	N	B
		S	221000	VITRIFICATION BUILDING	N	B
		S	250000	GLASS WASTE STORAGE BUILDING	N	B
		S	250001	SPARE EQUIPMENT STORAGE BUILDING	I	B
		S	250002	PORTABLE STORAGE BUILDING	I	B
		S	260000	FAILED EQUIPMENT STORAGE VAULT/CRANE CONTROL ROOM	N	OSF
		S	291000	VENT EXHAUST STACK	N	OSF
		S	292000	FAN HOUSE	N	B
		S	294000	SAND FILTER	N	OSF
		S	422000	COLD FEED STORAGE	N	B
		S	422002	BULK FRIT FACILITY	N	B
		S	430000	ORGANIC WASTE STORAGE FAC	N	B
		S	430001	REF ORGANIC RECOVERY UNIT	I	OSF
		S	511000	LOW POINT PUMP PIT	N	B
		S	511001	LOW POINT PUMP PIT HVAC	I	B
		S	511002	INSTRUMENT SHELTER BUILDING	I	B
		S	512000	LATEWASH FACILITY	N	B
		S	512001	LATEWASH FACILITY HVAC BUILDING	I	B
		S	512005	LATEWASH FACILITY (PRIMARY)	I	B
		S	512006	LATEWASH FACILITY	N	B
		S	512007	LATEWASH COLD CHEMICAL FEED SHELTER	N	OSF
		S	607000	S-AREA PUMP STATION FOR WASTEWATER TREATMENT FAC	I	OSF
		S	701000	ENTRY CONTROL FACILITY	I	B
		S	702000	TELEPHONE BUILDING	I	B
		S	704000	OPERATIONS BUILDING	I	B
		S	704071	TC-S1 ADMINISTRATION BLDG	I	B

TABLE 1.5 - D&D FACILITY LIST

Max	Target	Area	Number	Name	Type	Category
		S	704072	TC-S2 RECEIVING STORES	I	B
		S	704106	CYLINDER STORAGE SHELTER	I	B
		S	706000	DISTRIBUTIVE CONTROL STAGING BUILDING	I	B
		S	707000	MAINTANCE SHOP	I	B
		S	714000	SPARE PARTS BUILDING	I	B
		S	717000	OFFICE BUILDING & MAINTENANCE SHOP	I	B
		S	717003	LUBRICATION STORAGE BUILDING	I	B
		S	717010	TC-S7 LABORATORY SUPPORT FAC. (FORMERLY 717012 N)	I	B
		S	717011	TC-S3 PIPE SHOP	I	OSF
		S	717012	TC-S5 ELECTRICAL SHOP	I	B
		S	831000	SWIRL CELL FACILITY	R	B
		S	831003	SWIRL CELL FACILITY	I	OSF
		S	831010	CHEMICAL STORAGE BUILDING	I	B
		S	951000	PRIMARY SUBSTATION	N	B
		S	952007	TRANSFORMER 952-7S	I	OSF
		S	956000	FUEL OIL STORAGE	I	B
		S	980000	WATER & CHEMICAL WASTE TREATMENT FAC	N	B
		S	980001	NEUTRALIZED FIRE WATER TANK	I	OSF
		S	981000	COOLING TOWER	N	OSF
		S	981001	CHEMICAL TREATMENT FACILITY	N	OSF
X	X	T	607040	TNX PACKAGED SANIT'RY WASTE TREAT PLANT	I	OSF
X	X	T	607041	TNX SANITARY WASTE CHEMICAL FEED BLDG.	I	B
X	X	T	607046	ORGANIC REMOVAL FACILITY	I	OSF
X	X	T	652013	SECONDARY TRANS. SUBSTATION #3, TNX	I	OSF
X	X	T	671000	SERVICE TANKAGE FACILITIES	I	OSF
X	X	T	672000	DWPF SEMI-WORKS BUILDING	I	B
X	X	T	673000	CONTAINERIZATION EQUIPMENT DEV FAC TNX	I	B
X	X	T	674000	CHEMICAL STORAGE FACILITY	I	B
X	X	T	675000	GLASS MELTER BUILDING	I	B
X	X	T	677000	PILOT PLANT BUILDING	I	B
X	X	T	678000	CHEMICAL SEMIWORKS BLDG (TNX)	I	B
		T	678005	SEMIWORKS WASTE TANK MOCK-UP	I	OSF
X	X	T	679000	ENGINEERING TEST FAC. (CMX)	I	B
X	X	T	679008	PUMP HOUSE	I	B
X	X	T	682000	MANUFACTURING BUILDING (PHEF)	I	B
X	X	T	684000	SOLVENT STORAGE BUILDING	I	B
X	X	T	692000	ECR/ICR BUILDING	I	B
X	X	T	694000	CONSTRUCTION BUILDING	I	B
X	X	T	694002	CARPENTER SHOP	I	B
		T	702000	TELECOMMUNICATION BUILDING	I	B
X	X	T	704000	TNX AREA ADMINISTRATION BLDG.	I	B
X	X	T	704001	TNX ADMINISTRATION BLDG. ANNEX	I	B
X	X	T	704008	OFFICE BUILDING	I	B
X	X	T	711000	MECHANICAL SERVICES BLDG (TNX)	I	B
X	X	T	772000	CONSOLIDATED LAB	I	B
X	X	T	904000	TNX EFFLUENT TREATMENT PLANT	I	B
		U	770000	TEST REACTOR BLDG. (EXCESS IN PLACE)	I	B
		Z	201000	SSHT/FWRT PITS & PAD	N	OSF
		Z	205001	FLYASH SILO #1	I	OSF

TABLE 15 D&D FACILITY LIST						
Max	Target	Area	Number	Name	Type	Category
		Z	205002	FLYASH SILO #2	I	OSF
		Z	205003	FLYASH SILO #3	I	OSF
		Z	205004	CEMENT SILO	I	OSF
		Z	205007	UNLOADING SHED	I	OSF
		Z	205008	UNLOADING OFFICE	I	B
		Z	210000	PROCESS	N	B
		Z	451001	VAULT NO. 1	N	OSF
		Z	451004	VAULT NO. 4	N	OSF
		Z	704000	SALTSTONE OPERATIONS BUILDING	I	B
		Z	901000	FIRE WATER PUMP HOUSE	I	B
		Z	951000	ELECT. SUBSTATION	I	B
		Z	980000	DOMESTIC WATER TANK	I	OSF

- (a) Complete milestones 1, A, 2, B
- (b) Partial Scope; Milestones A, B, & C Only
- f. Partial Scope; Milestone A & B Only
- g. Partial Scope; Milestone 2 Only

TABLE E.9 - D&D FACILITY LIST

Max	Target	Area	Number	Name	Type	Category
X	X	D	403000	PUMP STATION	I	OSF
X	X	D	412006	ELEVATED TRAINING TOWER	I	OSF
X	X	D	412008	TUBE BUNDLE INSPECTION	I	B
X	X	D	412009	BOLT STORAGE	I	B
X	X	D	420003	TRITIUM EFFLUENT WATER MONITOR BUILDING	I	B
X	X	D	421005	LOADING DOCK	I	OSF
X	X	D	701002	GENERAL MONITORING BUILDING	I	B
X	X	D	701003	STORAGE BUILDING	I	B
X	X	D	715000	GASOLINE STATION	I	B
X	X	D	717004	PIPE RACK CANOPY	I	OSF
X	X	D	NA	D AREA FENCES, POLES, AND STEAM LINES	I	B
X		D	NA	D AREA MISCELLANEOUS LEFTOVERS: (BUBBLER TOWER COOLING WATER LINES & VALVE PITS (4), FIRE TRAINING OBSERVATION TOWER, FIRE HYDRANTS AND PIVS, MISCELLANEOUS ELECTRICAL, RAIL CARS AND TRACKS, PITS AND SUMPS	I	B
X	X	F	221010	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	221019	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	247015	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704005	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704011	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704012	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704015	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704016	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704017	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704018	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704019	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704030	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704044	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704048	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704049	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	704051	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	724000	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X	X	F	724001	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	221016	JB-LINE MODULAR STORAGE BUILDING	I	TRAILER
X		F	221034	MODULAR OFFICE	I	TRAILER
X		F	221035	E&I AND MAINTENANCE SHOP	I	B
X		F	221053	FB-LINE SOFT STRUCTURE OFFICE BUILDING	I	B
X		F	221054	FBL BREATHING AIR COMPRESSOR BUILDING	I	B
X		F	NA	CLAB COOLING TOWER/TEXT	I	OSF
X		F	NA	F AREA MISCELLANEOUS LEFTOVERS: (211-5, 211-8, 211-42, 252-3, 252-5)	I	B
X		F	703003	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	704003	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	704008	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	704010	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	704023	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	704059	TRAILER OR EQUIVALENT TRAILER	I	TRAILER

TABLE 1.9 - D&D FACILITY LIST

Max	Target	Area	Number	Name	Type	Category
X		F	704067	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	245000	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	245001	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	245016	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	247019	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		F	772003	TRAILER OR EQUIVALENT TRAILER	I	TRAILER
X		G	80009	STORAGE AREA	I	OSF
X		G	80010	STORAGE AREA	I	OSF
X		K	607021	SHED	I	OSF
X	X	M	NA	M AREA FENCES, POLES & STEAM	I	OSF
X		M		MISCELLANEOUS LEFTOVERS: (312M, 430M, 713-6A, 730-2A, 730-3A, 51M, 52M, 53M, 57M, METAL STUB NORTHEAST OF 704M, HANDRAIL EAST OF 313M, METAL POST SOUTH OF 607-1M, HANDRAIL EAST OF GATE M3, CHILLED WATER VALVE ACTUATORS NORTHEAST OF 322M, ABANDONED PROCESS SEWER MONITORING STATION WEST OF 316-1M, METAL FROM VALVE PIT, FILL WITH GRAVEL LOCATED NORTHWEST OF 320M, 10 BOLLARDS LOCATED SOUTH OF 305-1M, PIPE CAP AND 2 BOLLARDS WEST OF 305-1M, 341M COLLECTION SUMP, ABANDONED PROCESS SEWER MONITORING STATION NORTH OF 341M, METAL FROM PIDAS VEHICLE TRAP LOCATED SOUTH OF 321M, 2 CAPPED PIPES WEST OF 321M, 319-1M METAL FROM 2 STACK GUY WIRE ANCHORS LOCATED SOUTH AND NORTHWEST OF PAD, VALVE AND BOLLARDS LOCATED NORTHWEST OF 321M, 4 METAL STUB UPS ON PADS NORTH OF 321M, 321M SIGN, LETF SIGN, WOOD CURBING AROUND GRASSED ROAD DIVIDER BETWEEN 701-4M & 315M, SECURITY SENSOR POST AND 2 METAL POSTS LOCATED SOUTHWEST OF 315-4M PAD, AND 701-M).	I	OSF
X		N	763106	STORAGE BUILDING	I	B
X	X	T	672001	COOLING TOWER	I	OSF
X	X	T	679007	WATER SERVICES BUILDING	I	OSF
X	X	T	681004	WATER PUMP HOUSE FOR CMX	I	OSF
X	X	T	NA	T AREA FENCES, POLES & STEAM	I	OSF

11. PERFORMANCE OF F-CANYON WORK SCOPE

F Canyon Work Scope is based on an amendment to Section 3137 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001. Work performed must comply with all applicable laws, including the National Environmental Policy Act.

PART III OF III

CONTRACT MANAGEMENT/CONTRACTOR OVERSIGHT PLAN

A. PERFORMANCE EVALUATION/ASSESSMENT

1. Contract Assessments: Central to administration of this contract is assessment of the contractor's performance. All DOE-SR and NNSA staff performing assessments are expected to understand the terms and conditions of the contract. In order to verify performance, a systematic process of assessment, analysis, documentation and feedback will be required. A range of assessment techniques from data/metric reviews and analysis, to review of self-assessments by the contractor, to formal multidisciplinary assessments will be employed. The assessments will be tailored based on the level of definition of the work requirements and complexity of the function. The results of these assessments will be documented and utilized to determine contract compliance.
2. Assessment Schedules: Due to the breadth of the contract, it is not feasible to identify every inspection or assessment planned for every contractor function during each year. However, whenever formal assessments are to be conducted, the contractor should be given as much advance notice as possible unless the intent is to perform an unannounced inspection. Assessment reports on formal or informal assessments will be formally transmitted by the cognizant Federal official (COR or individual authorized under SR Manual 300.1.1A, Chapter 1, SR Functions, Responsibilities and Authorities Procedure) for development of corrective action plans, if required. The DOE-SR or NNSA officials will verify and validate the contractor's effectiveness in correcting the root cause problem of any concerns and findings identified in the assessment report.
3. Field Inspections/Communications with the Contractor: Field inspections, either scheduled, unannounced or "for cause," will be performed during the term of the contract and any identified concerns will be documented and provided to the cognizant COR. These field inspections will be conducted to verify and validate work is being accomplished as reported by the contractor. DOE-SR and NNSA staff performing such inspections who are not CORs do not have the authority to direct the contractor or take any action that will impact the scope, cost or schedule of the contract. However, it is the duty of any Government inspector to identify to the contractor any aspect of performance that is believed by the inspector not to be in accordance with the contract terms. The inspector is to clarify that the notice is only the inspector's opinion. The contractor is responsible for managing its personnel and execution of the contract terms. If agreement is not reached between the inspector and the contractor's representative over the conformance and the issue is a material issue under the contract, it is to be reported through the inspector's supervisory chain to the cognizant COR for the appropriate action.

B. GENERAL INSTRUCTIONS FOR FEDERAL OVERSIGHT AND MONITORING OF THE CONTRACTOR'S PERFORMANCE

1. Administration and monitoring of the contract will be in accordance with the contract terms and conditions which include, but are not limited to, the oversight required under Federal Acquisition Regulation (FAR) Subchapter G – Contract Management (FAR Parts 42-51) and the Department of Energy Acquisition Regulation (DEAR).

The degree and depth of inspections must be commensurate with the services being provided. In the purest form the Government identifies its exact requirements, the contractor executes those requirements and the Government "inspects and accepts" the contractor's output. The reason for employing a cost reimbursement contract is that the work conditions cannot be described with such specificity to use a form of fixed-price contract. Therefore, although the requirements are generally described, in many cases understandings, agreements and interpretations of requirements must be reached during the course of performance. Achieving the mission objectives is a mutually beneficial goal for the contractor and Government that can be facilitated by free and open exchange of information and discussion of performance issues as well as the full cooperation of both parties. This free and open exchange process relieves neither party of its responsibilities under the contract but facilitates the achievement of the mutual goal of mission achievement. The contractor is expected to openly discuss plans for changing processes and procedures with its DOE/NNSA counterparts, not for Government approval but to ensure the Government has a full understanding of what is transpiring on the site. Full and open communication promotes mutual trust and respect that facilitates the achievement of mission objectives.

Interactions with DOE-SR and NNSA staff on a daily basis are to be expected by the contractor. Section E of the contract, the clause entitled, Inspection of Services –Cost Reimbursement, provides that the Government has the right to: "inspect and test all services called for by the contract, to the extent practicable at all places and times during the term of the Contract." This inspection authority cannot be abused. The Clause also states: "The Government shall perform inspections and tests in a manner that will not unduly delay the work." There must be a careful balancing of the Government's rights to ensure the products/services being provided are compliance with the contract versus "over inspection" which can result in interference with the contractor's rights to perform. It is imperative that inspections be accomplished in this manner. Inspections are expected to be as thorough as necessary under the given circumstances and conducted in a professional manner, without unduly interrupting or delaying performance of the work.

2. The DOE-SR and NNSA senior management personnel are responsible for ensuring inspections are conducted by trained and qualified Federal staff in their

specific areas of responsibility. The Contractor's performance is to be evaluated against the performance standards set forth in the Statement of Work, WA/EP, incentives and all other applicable standards and requirements, including, but not limited to adherence to generally accepted standards of practice and Standard Operating Procedures (SOPs).

3. Monthly reviews are to be held with the contractor and formal performance feedback is to be provided by the Contracting Officers Representatives within their assigned areas of responsibility. Written copies of the review are to be provided to the contractor and the Fee Administrator assigned within the Contracts Management Division. The Fee Administrator maintains a file of these reviews for the SR Manager. The monthly reviews are to provide a validation of the Contractor's performance under the general performance requirements of the contract as well as the established incentives, including reporting of progress thereunder. The monthly meetings also provide the forum to discuss contractor plans for implementing changes in site processes and procedures and to inform DOE of actions contemplated by the contractor as described in the Special Contract Clause in Section H entitled, Accomplishment of Mission Objectives.
4. Copies of all documentation of evaluations and assessments shall be maintained as back-up information. This will permit maintenance of a complete history of the contractor's performance and may be required to support any actions taken by the Government under the contract terms.
5. The DOE-SR and NNSA maintain frequent interactions between various DOE organizational elements, Federal and State Regulatory agencies, the Defense Nuclear Facility Safety Board and local stakeholders. On occasion, these organizations may conduct oversight visits of operations. Oversight performed by organizations outside of DOE-SR and NNSA will be conducted in coordination with the SR and NNSA Managers.
6. The DOE-SR and NNSA senior management personnel are to keep HQ program counterparts advised of significant achievements (or failures) regarding incentives. Consult with HQ program counterparts on major issues for information purposes as well as to ascertain if precedents already exist regarding the issues.

C. INSPECTION OF CONTRACTOR SERVICES

Under FAR based contracts, the contractor employs many processes and procedures it utilizes in its commercial business and these processes are transparent to most Government buyers. Inspections of quality assurance systems, accounting systems, human resource systems, purchasing systems, EEO compliance, etc. are performed by others, normally the Government agency having cognizance over the contractor or the Defense Contract Audit Agency. Under M&O contracts however, the contractor is required to develop entire site specific systems and processes and submit them to DOE for approval prior to implementation. With few exceptions (e.g., certain regulatory oversight and Federal Labor law compliance, etc.), the total burden of oversight and inspection is on DOE to ensure the systems and processes are followed, as well as the requirement to approve any changes to the approved systems/processes.

Even though DOE has the responsibility to perform oversight and inspections, the inspections must be tailored to the complexity and criticality of the services being provided. "Over inspection" can be construed as interference – inadequate or "under inspection" can result in the Government paying for inadequate or Less Than Acceptable services. Inspections can occur in one of two manners: end item inspection, or "in process" inspection. End item inspection occurs when the Government can simply inspect the product or service and determine whether or not it conforms to the contract requirements. Commercial type products and basic types of services lend themselves to such an inspection process. As the complexity of the product/service increases, the need for "in process" inspection also increases. This can include sampling and inspecting final end products to ensure "systems" are performing as they were designed, or can be more in-depth and occur while the contractor is actually performing the work. Sampling and inspection of final payment vouchers, procurement files, and review and analysis of reports are examples of simpler "end item" inspection. More in-depth, in-process inspections would be appropriate, for example, on a construction project because inspection after completion is difficult, expensive and/or may be impossible.

The degree of oversight and inspection required is based on judgment and the confidence the Government has in the contractor's performance and the contractor's systems. This confidence is generally derived in one of two manners: (1) previous inspections have identified minimal problems therefore warranting fewer inspections; (2) inspections in addition to free and open communications with the contractor, provide the Government confidence the products/services are conforming and thereby minimize the need for repeated inspections. However, if inspections begin to reveal problems or there are not open communications between the contractor and the Government, it then becomes necessary to increase the number and depth of inspections to ensure the Government is receiving the services for which it is paying.

Due to the varied services being performed under this contract, it is expected that the full range of inspection methods will be utilized, as appropriate. End item, random sampling, analysis of metrics, reviews of self-assessments and up to full "in-process" inspections will be required depending upon the services/products being delivered. The contractor is

responsible for executing the work in accordance with the contract requirements. The Government is responsible for inspection. Inspection results are provided to the contractor and, the CORs and the CO for evaluation and appropriate actions under the contract if required.

The frequency and depth of inspections of the contractor may actually be reduced if open communications exist with the contractor. For example, if the contractor changes a material practice or process it has historically employed in performing the contract without advising the Government, the surprise to the Government may activate a review or inspection to determine if the services are still being provided as required. Advance notification of the contemplated change by the contractor may give the Government the knowledge and assurance that the change would not impact performance and therefore was of little consequence. "After the fact" situations are much more labor intensive for both the contractor and the Government and are easily avoidable.

Whereas open communication is desired, the contractor still has the contractual obligation to perform according to the contract and the Government should not get involved in telling the contractor how to perform. If this occurs, the ability for the Government to perform "independent" inspections or even hold the contractor accountable under the contract becomes compromised. Daily interactions with the contractors should be appropriately limited, and should not infringe on the obligations of the contractor to perform or on the Government's rights under the contract. This requires the exercise of prudent and professional judgment.

Under no circumstance should any Federal inspection results or Federal communication with the contractor be able to be construed by the contractor as "technical direction" unless the person performing the inspection or communication is a COR or a contracting officer and the communication is made in writing. If there is any situation where a Federal employee is not sure regarding the appropriateness of interactions with the contractor, the Federal employee should seek guidance from an SR contracting officer or the SR Office of Chief Counsel.

D. CORRESPONDENCE WITH THE CONTRACTOR

1. Contracting Officer Correspondence

Pursuant to the Changes clause of the contract, the Contracting Officer, and only the Contracting Officer, has the unilateral authority to issue to the contractor written directions within the general scope of this contract requiring additional work or directing omission of, or variation in, work covered by this contract. The contractor is required to comply with the direction. However, if the contractor believes such direction results in a material change in the amount or character of the work described in the "Statement of Work," the contractor's recourse is to request an equitable adjustment of the fee, or under the EM Clean-Up incentive an equitable adjustment in the fee, quantities of work or schedule under the incentive. If an equitable adjustment cannot be reached, the contractor can initiate

the Disputes process set forth in the Contract Clause entitled, FAR 52.233-1 DISPUTES.

As a matter of policy, the SR Manager has determined the Changes clause authority will be selectively used. Therefore, all letters prepared for the Manager's signature as Head of the Contracting Activity or for other SR Contracting Officers, should contain the following technical direction disclaimer:

"The action directed herein is considered to be within the scope of work of the existing contract. If the Contractor considers that carrying out this direction will increase contract costs or delay any delivery, the Contractor shall promptly notify me orally, confirming and explaining the notification in writing as soon as possible, but within no more than five (5) working days. Following oral notification and submission of the written notice of impacts, the Contractor shall await further direction from me."

If the Manager, or other Contracting Officer who is to sign the correspondence, determines that the situation warrants use of the Changes clause authority, the above paragraph will be deleted from the letter.

Any letter prepared for a Contracting Officer's signature, when that person is exercising delegated contracting officer authority, must bear the signature block of the person signing the letter as well as the title, Contracting Officer. Letters prepared for the SR Manager when the contracting officer authority is being utilized should carry the title:

**"Manager
Head of Contracting Activity"**

Letters to be signed by a contracting officer must be signed by the individual whose name is typed in the signature block and shall not be signed by anyone else.

2. Contracting Officers Representative Correspondence

All COR Technical direction letters to the contractor are to contain the following paragraph as the last in the letter:

"The action taken herein is considered to be within the scope of work of the existing contract and does not authorize the Contractor to incur any additional costs (either direct or indirect) or delay delivery to the Government. If the Contractor considers that carrying out this action will increase contract costs or delay any delivery, the Contractor shall promptly notify the Contracting Officer orally, confirming and explaining the notification in writing within five (5) working days."

Following submission of the written notice of impacts, the Contractor shall await further direction from the Contracting Officer."

3. All Other Correspondence

Letters written to the contractor by anyone other than a contracting officer when acting in that capacity, or a COR acting in that capacity, shall contain the following as the last paragraph in the letter:

"The action(s) taken herein is not technical direction pursuant to the Contract Clause in Section I. of Contract Number DE-AC09-96SR18500 entitled, Technical Direction. It is believed to be covered by the existing terms and conditions of the contract. If the Contractor considers the action(s) addressed above constitute(s) Technical Direction, conflicts with the terms of the contract or impacts costs or schedule (directly or indirectly), the Contractor shall promptly notify the cognizant DOE-SRS Contracting Officer's Representative (COR) in writing within five (5) working days from receipt of this letter and await further direction from the COR. A copy of the letter to the COR is to be provided to the DOE-SR Director, Contracts Management Division."

E. STOP WORK AUTHORITY

As provided for in the contract clause in Section H entitled, Stop Work and Shut Down Authority – Environment, Safety and Health, authority has been delegated by the SR Contracting Officer to all DOE-SR Facility Representatives; the SR Deputy Manager; SR AMs; NNSA-SRSO Manager and Deputy Manager; and the Director, OSSC, to stop work of contractor activities based upon the determination or observation of conditions which are immediately dangerous to the life or health of the workers, the public, or the environment or for any other reason determined to be in the best interests of the Government from an ES&H perspective.

Although no specific delegation of authority exists for the issuance of stop-work orders by other DOE-SR or NNSA staff members, every Federal employee has an obligation to notify contractor employees and/or contractor management personnel if they observe conditions which are immediately dangerous to the life or health of the workers, the public, or the environment. Federal employees should immediately notify the workers of the dangerous conditions and submit a report through their management chain to the cognizant COR.

SAMPLE CONTRACTING OFFICER APPOINTMENT LETTER (For information)

TO: (Appointee)

Pursuant to and in accordance with the Contract Clause of subject contract entitled, Technical Direction you are hereby designated to act as a Contracting Officer's Representative (COR) in relation to the services to be provided under the subject contract. This designation is personal to you and may not be delegated to any other individual.

Your responsibilities originate from the provisions of the subject contract. You should thoroughly familiarize yourself with all of the requirements of the contract and your responsibilities relative to these requirements. Your COR authority is limited as set forth below and may be exercised only in relation to the performance areas/functions identified to be within your cognizance in SR Manual 300.1.1A, Chapter 1, SR Functions, Responsibilities and Authorities Procedure.

Your duties and responsibilities consist of the following:

1. Monitor technical compliance. Ensure the Contractor complies with all technical requirements of the work defined in the scope of work, either included in or attached to the contract, including reports, documentation, data, etc. In this connection, you should:
 - (a) Issue written technical direction and interpret technical requirements in accordance with the Technical Direction clause contained in the contract. Technical direction must be in writing and includes, but is not limited to:
 - (1) Directions to the Contractor which redirect the Contract effort, shift work emphasis within a work area or a Work Authorization Directive, require pursuit of certain lines of inquiry, fill in details or otherwise serve to accomplish the Statement of Work (SOW) and Work Authorization/Execution Plan (WA/EP).
 - (2) Provision of written information to the Contractor which assists in the interpretation of drawings, specifications or technical portions of the work description.
 - (3) Review and, where required by the Contract, approve technical reports, drawings, specifications and technical information to be delivered by the Contractor to the Government under the Contract.

All technical questions arising out of the contract which cannot be resolved without increasing costs or causing alterations or changes to the contract scope or incentives should be reported to the Contracting Officer. Any unresolvable differences should be reported to the Contracting Officer. Such reports should contain the facts and recommendations pertinent to the questions at issue.

- (b) Assure that changes in the scope of work, work authorizations, delivery schedule or any aspect of an incentive are issued by the Contracting Officer in writing before the contractor proceeds with the changes.
- (c) Ensure that the Government meets its contract obligations to the Contractor. This includes, but is not limited to: Government-furnished equipment and services called for in the contract, work authorization document or Performance Based Incentive; and, timely Government comment on or approval of contract deliverables as may be required by the contract.
- (d) Inform the Contracting Officer in writing of any substantive performance failure by the Contractor.
- (e) Inform the Contracting Officer if you foresee that any portion of the contract will not be completed according to a required schedule.
- (f) Prepare Memoranda for the Record of all substantive meetings or telephone conversations relating to the contract. All correspondence relating to Technical direction under the contract shall cite the contract number. A copy of all records and other correspondence shall be furnished to the Contracting Officer at completion of the contract. The utmost care must be given to proper handling of proprietary data, as well as classified and business-sensitive information.
- (g) Inform the Contracting Officer in writing of any needed changes in the scope of work described in the contract, work authorization document or an incentive.

2. Monitor specific technical, administrative and funds aspects.

- (a) Notify the Contracting Officer immediately of any indication that the cost to the Government for completing any aspect of performance under the contract will exceed the amount stated in the contract.
- (b) Report to the Contracting Officer any indication that costs are being incurred which are not appropriately chargeable to this contract.
- (c) Monitor travel performed under the contract to assure the necessity and the duration thereof.
- (d) Conduct or assure the Government inspection and acceptance are accomplished on performance incentive covered work. Review and concur on PBI/Special Performance Area (SPA) or other incentive invoices after validation of completion of work. Ensure payment type (provisional, incremental or final payment) being made is in accordance with the provisions of a PBI. If you do not concur with the Contractor's request for payment of a PBI/SPA, in

whole or in part, you are to contact the undersigned Contracting Officer and discuss a proposed course of action.

- (e) Assure that the Contractor's work locale is separate from that of Government employees to the maximum extent possible. Advise the Contracting Officer of instances where the locale cannot be separated.
- (f) Assure that the Contractor's employees are not supervised by Government personnel. Notify the Contracting Officer of any instances of actual or suspected Government supervision.

3. Property management:

- (a) Review and comment on the Contractor's request for Government-furnished facilities, supplies, materials, and equipment and forward the request to the Contracting Officer for disposition.
- (b) Review and comment on the Contractor's requests for consent to purchase or supplies, material and equipment as required under the contract and provide the results of your evaluations/assessments to the Contracts Management Division for disposition.

4. Assist in the closeout of the Contract. Upon completion of the work:

- (a) Forward to the Contracts Management Division all records and documents pertinent to the administration of the contract which were retained by you in your capacity as COR during the period of contract performance.
- (b) If your contract files contain classified documents, coordinate the disposition with the Office of Safeguards and Security.

Only a duly appointed Contracting Officer is authorized to: enter into contractual agreements on behalf of the Government; waive any requirement of a contract, modify any term or condition of a contract (i.e. contract amount, contract period of performance, the contract scope of work); revise any incentive issued under a contract; or accept non-conforming work. Any Technical direction issued must be in writing and shall not:

- 1. Constitute an assignment of additional work outside the contract scope of work or work authorized under the Work Authorization/Execution Plan;
- 2. Constitute a change as defined in the contract clause entitled, "Changes."
- 3. In any manner cause an increase or decrease in the total estimated contract cost or the time required for contract performance.
- 4. Change any expressed term, condition or specification of the contract.
- 5. Interfere with the contractor's right to perform the terms and conditions of the contract.

The authorities delegated above and those set forth in SR Manual 300.1.1A, Chapter 1, SR Functions, Responsibilities and Authorities Procedure (which is incorporated into the contract), constitute specific delegations of authority. Unless authority to take an action is set forth above or contained in the SRM, it has not been delegated and cannot be exercised by you. If there is any doubt if an authority has been delegated, you should contact me for guidance and direction. If in your absence technical direction is required to be issued, and another appointed COR under this contract is not available within your organization, the technical direction letter is to be referred to the Deputy Manager or me for signature.

Signed
/SR Manager/